

WADE E. MILLER, PH.D. Paleontological Consultant 2871 Indian Hills Dr. • Provo, Utah 84604 Phone (801) 375-5058 FAX (801) 375-2151

July 13, 1999

School and Institutional Trust lands Administration Attn: Mr. Kenny Wintch 675 East 500 South, Suite 500 Salt Lake City, UT 84102

Dear Kenny:

Enclosed is a report for the paleontological field survey performed by me on July 12, 1999 on State lands representing potential well sites to be developed. An earlier survey in the general area was also made by me last October in which a couple of important fossils were discovered. Additionally, on a school field trip which I conducted in the general area last April, a student found a partial jaw of a primitive horse-like animal—a significant find.

Sec. 32, 89, 16E 43-013-31817

The current paleontological survey covered a fairly broad area covering three U.S.G.S. 7.5' quadrangle maps. The sites are designated as the Ashley unit (well numbers 1-2 and 8-2), the Wells Draw expansion unit (well numbers 9-32, 15-32 and 16-32), the Lone Tree unit (well number 10-16) and the Castle Peak Draw unit (well number 14-2). The only exposed rock units in the region are the Eocene age Uinta Formation (which as indicated in the report, yields many significant to very significant fossils) and Quaternary alluvium. Thus far no important fossils have apparently been found in these units in the region.

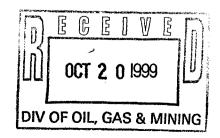
Although turtle shell fragments were found at both the Lone Tree and Castle Draw well sites, they were too fragmented to be considered important. However, the potential exists for more complete ancient turtle material at these sites, and that would then be significant. Fossil crocodilian specimens are much more uncommon in the Uinta Basin, and all identifiable specimens are regarded as important. A crocodile vertebra was found at the Castle Peak Draw well site (as given in the report) that came from an animal approximately 15 feet or more in length. Therefore, this well site should be closely monitored by a qualified paleontologist during any land disturbances in the area. And for any extensive excavation to the Uinta Formation at the other sites, they should also be monitored.

If there is further information that I might provide, please contact me at the numbers given above.

Sincerely,

Wade E. Miller

Consulting Paleontologist



INLAND RESOURCES, INC.

PALEONTOLOGICAL FIELD SURVEY OF PROPOSED PROJECT DEVELOPMENT AREAS SOUTHEASTERN DUCHESNE COUNTY, UTAH

REPORT OF SURVEY

By Wade E. Miller, Ph. D. Consulting Paleontologist

2871 Indian Hills Drive Provo, Utah 84604 Tel: 801.375.5058 Fax: 801.375.2151

July 17, 1999

PALEONTOLOGICAL FIELD SURVEY OF PROPOSED PROJECT DEVELOPMENT AREAS SOUTHEASTERN DUCHESNE COUNTY, UTAH

INTRODUCTION

July 1, 1999, Scott Billat of the Springville, Utah office of JBR Environmental

Consultants, Inc. made contact with Wade Miller, paleontologist. Mr. Billat indicated that Inland
Resources of Denver, Colorado needed a paleontological field survey made of selected areas to be
developed within the oil fields about 10 to 12 miles south and southwest of Myton, Duchesne

County, Utah. The specific areas targeted for possible future development by Inland Resources,
and now paleontologically surveyed, are: the NE, SE, and SW quarters of the SE 1/4, Sec. 32,
T8S, R16E; the NE and SE 1/4, NE 1/4, Sec. 2, T9S, R15E; the NW 1/4, SE 1/4, Sec. 16, T9S,
R17E and the SE 1/4, SE 1/4, SW 1/4, the SW, SE, and NE quarters of the SE 1/4, and the SE
and NE 1/4 of Sec. 10, T9S, R17E as well as the SW 1/4, SW 1/4, SW 1/4, Sec. 2, T9S, R17E.

Paleontological field surveys typically rely on geologic maps in order to determine the geologic formation(s) and age(s) of rocks. Relevant geologic maps were reviewed for this information relative to the present area to be investigated. This type of map information also helps indicate the types of fossils that might be present. This information thus obtained showed that all the above areas exposed either the late Eocene age (40 to 45 million years ago) Uinta Formation or else Quaternary age (1.8 million to present) alluvial sediments. As determined by the Utah State Paleontologist's office, the Uinta Formation is one of Utah's paleontologically most sensitive of all the state's geologic formations. It includes dozens of important fossils, many restricted to the age of this formation. The North American Land Mammal Age for the late Eocene is based on mammals from this formation. The Uinta Formation is variegated in color

throughout the Uinta Basin and is composed mostly of fluvial and floodplain deposits, but contains lacustrine ones as well. The fluvial deposits consist of coarse sandstones, mostly as stream deposits that currently are expressed in sinuous ridges because of their resistance to erosion. Floodplain deposits are generally finer grained, ranging from fine sands, through silts, to muds. Lacustrine deposits usually consist of muds, clays and some limestones which commonly are green or greenish in color. All the above sediments are known to contain fossils. Known fossils represent a variety of plants, a few types of invertebrates and large numbers of vertebrate fossils. The latter include fish, limited lizards and rare snakes, abundant turtles, occasional crocodiles, a few birds, and a multitude of mammals.

Before the field survey began, Blaine Phillips of the regional BLM office at Vernal, Utah, and Martha Hayden of the Utah State Paleontologist's office in Salt Lake City, were contacted. This was done in order to determine whether fossil sites in the area to be surveyed as described above were present but unknown to me. Mr. Phillips had a copy of an unpublished paleontological report made by Mr. Alden Hamblin (1994) for the PG & E Wells Draw Unit near the present areas of study. I received a copy of this report to study before the present paleontological field survey was made on July 13, 1999. Reports of other fossil finds from the general area had already been accessible, and reviewed. Additionally, geological and topographic maps covering the investigated area were studied. These items are all contained in my files. A copy of a letter showing State fossil sites along with a site locality form are included in this report.

RESULTS OF SURVEY

Due to the discontinuous nature of the oil field roads in the study area, it took several attempts to locate the four areas to be surveyed as listed above. Nevertheless, each site was

eventually accurately located and surveyed on foot. The first investigated site consisted of the 3 three 1/16th section plots in the SE 1/4, Sec. 32, T8S, R16E. Wells Draw, a major drainage channel in the area, runs through the southern half of the study area. Within it exposed units of sandstone, tan to dark brown, make up the channel walls. The only fossils found in the area were burrowing structures made by an unknown invertebrate. They are locally common. Quaternary sediments along the base of the channel did not reveal any fossils. The same was true for the nearly flat expanse to the north of the channel including the northern portion of the area surveyed.

The second area checked for fossils was the eastern half of the NE 1/4, Sec. 2, T9S, R15E. Most of this area was covered in rock rubble resting in and on a thin desert soil. A small arroyo cuts across the northernmost portion of this proposed site. In it are thin lenses of sandstone and silty shale in situ. No fossils were found throughout this area.

Much of the third area, NW 1/4, SE 1/4, Sec. 16, T9S, R17E consists of an ancient, now elevated because of resistant sandstone, stream channel with a present shallow arroyo running along its northern flank. Light colored coarse to fine sandstone units make up this ridge. Some burrow structures similar to those seen at the first site occur in the sandstones. Turtle shell pieces were also found here as loose fragments on the lower slope of the ridge in the southeast corner of the surveyed area.

The fourth and last area surveyed is also the largest. However, much of it is soil covered and does not show the underlying Uinta Formation. But two arroyos that run through the designated area do expose portions of the formation. Some turtle shell fragments, but more importantly a crocodile vertebra, were found in this arroyo in the center of the NE 1/4, SE 1/4, Sec. 10, T9S, R17E.

No fossils of importance are known in the desert soil cover of the region, and apparently none have been found in the Quaternary alluvium that fills some of the arroyos/draws. However, the Uinta Formation with its numerous fossils does underlie these deposits, usually at shallow depth. Exposed Uinta Formation at the four listed sites above did not yield important fossils, with one exception. This is the crocodile vertebra found in the arroyo near the center of the NE 1/4, SE 1/4, Sec. 10, T9S, R17E. If any excavation takes place here, careful examination needs to be made by a trained paleontologist. The fossilized burrow structures seen at sites listed above are not deemed paleontologically significant. Since turtle shell fragments are so abundant throughout the Uinta Basin, in an of themselves they too are not considered very important. However, if larger to complete or nearly complete portions of turtle shell occur, especially if other skeletal elements are present, then they do become significant fossils. While no mammalian fossils were discovered during the present survey, they have the potential of occurring in the Uinta Formation and are considered very important. Therefore, when excavations of even moderate extent are made invasive to this formation, a paleontologist should be present to salvage any important fossils uncovered.

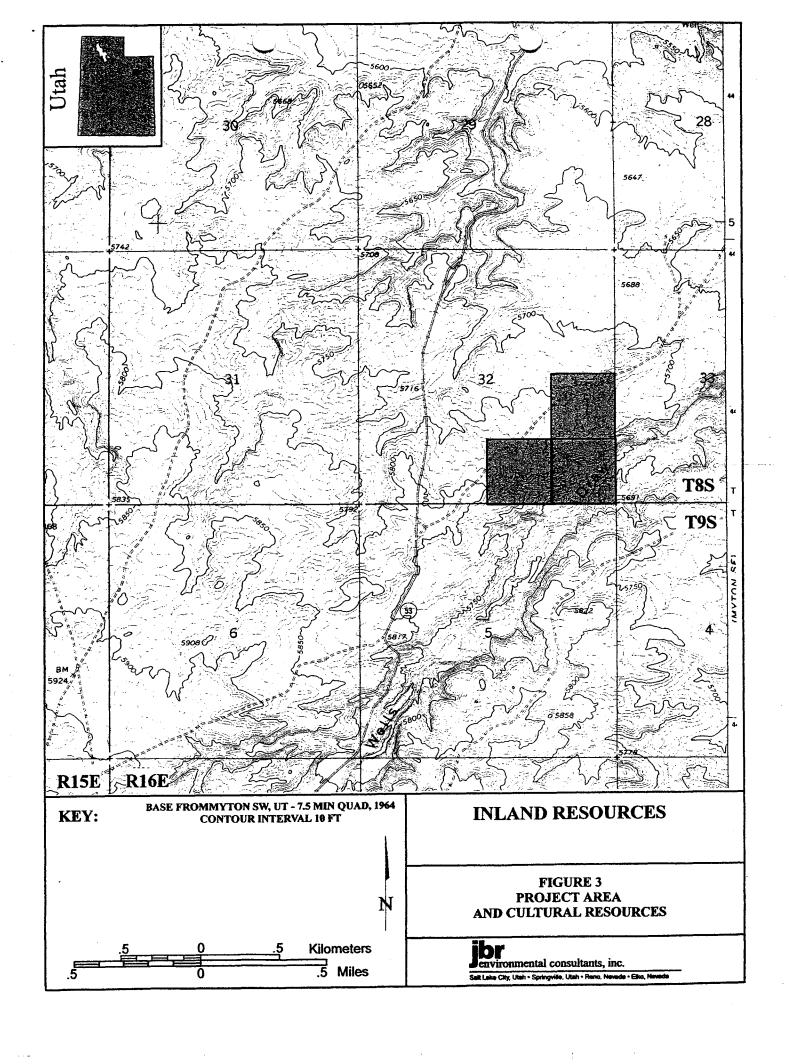
With the exception of the site yielding the crocodile vertebra, there is no paleontological reason why projected development plans for the areas surveyed cannot be carried out. Again, though, it is very important that a qualified vertebrate paleontologist be on hand when significant excavations are made anywhere within the Uinta Formation.

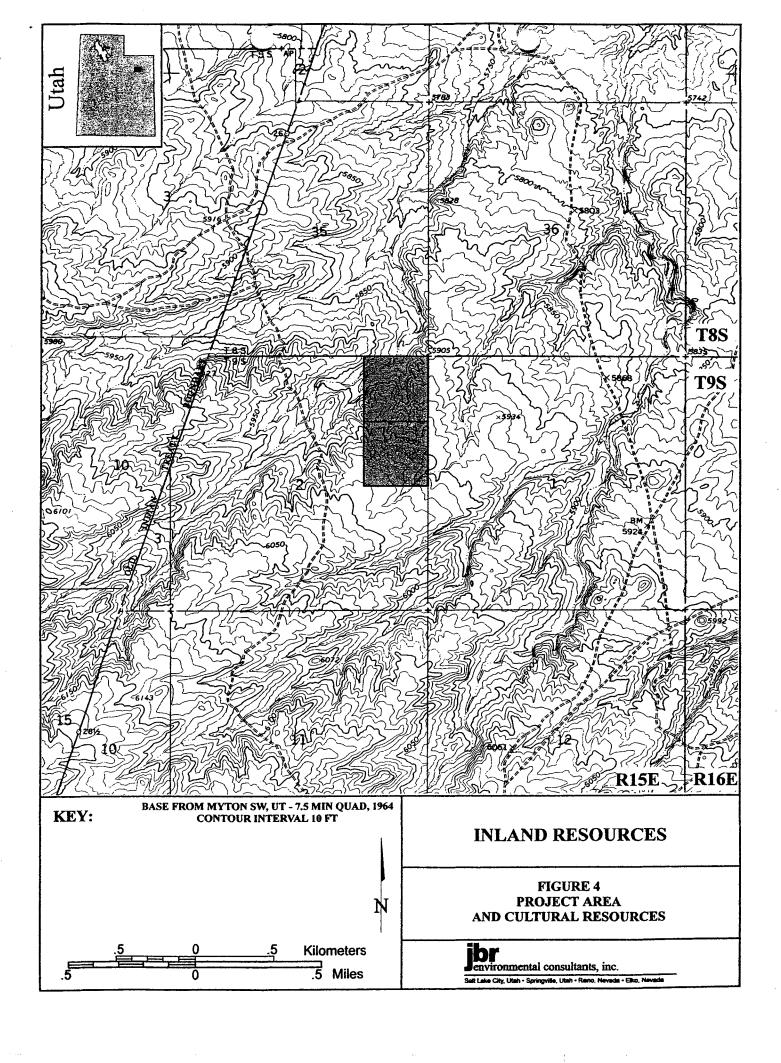
Wade E. Miller, Ph.D.

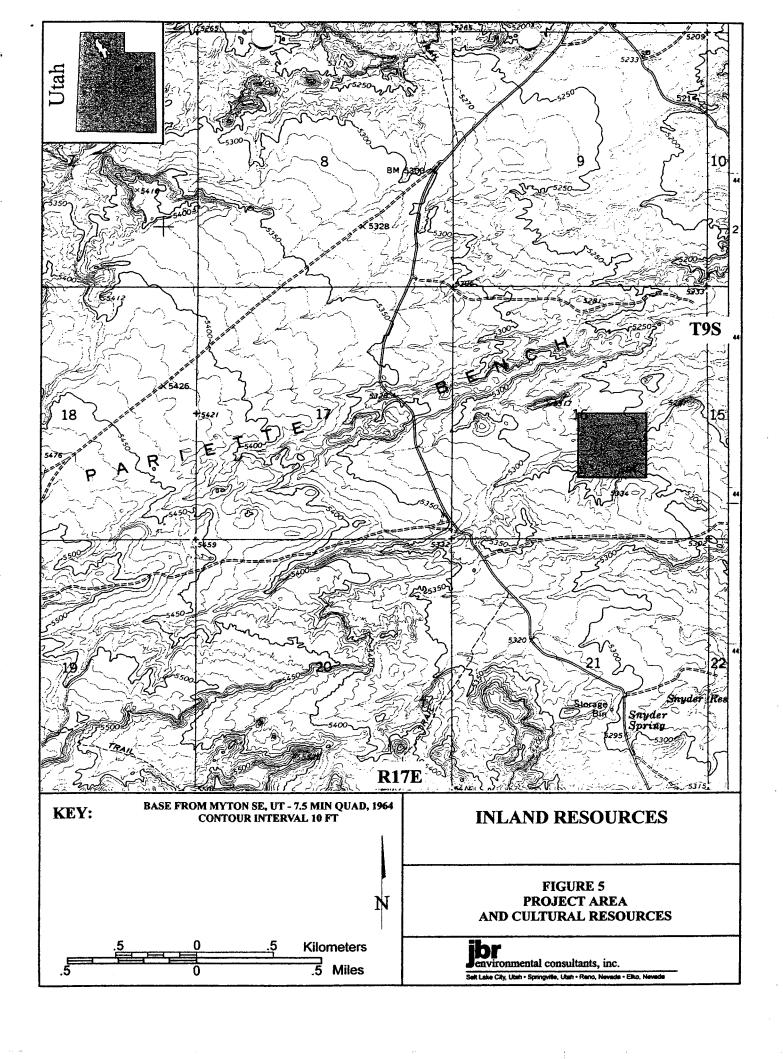
PALEONTOLOGY ATTACHMAT

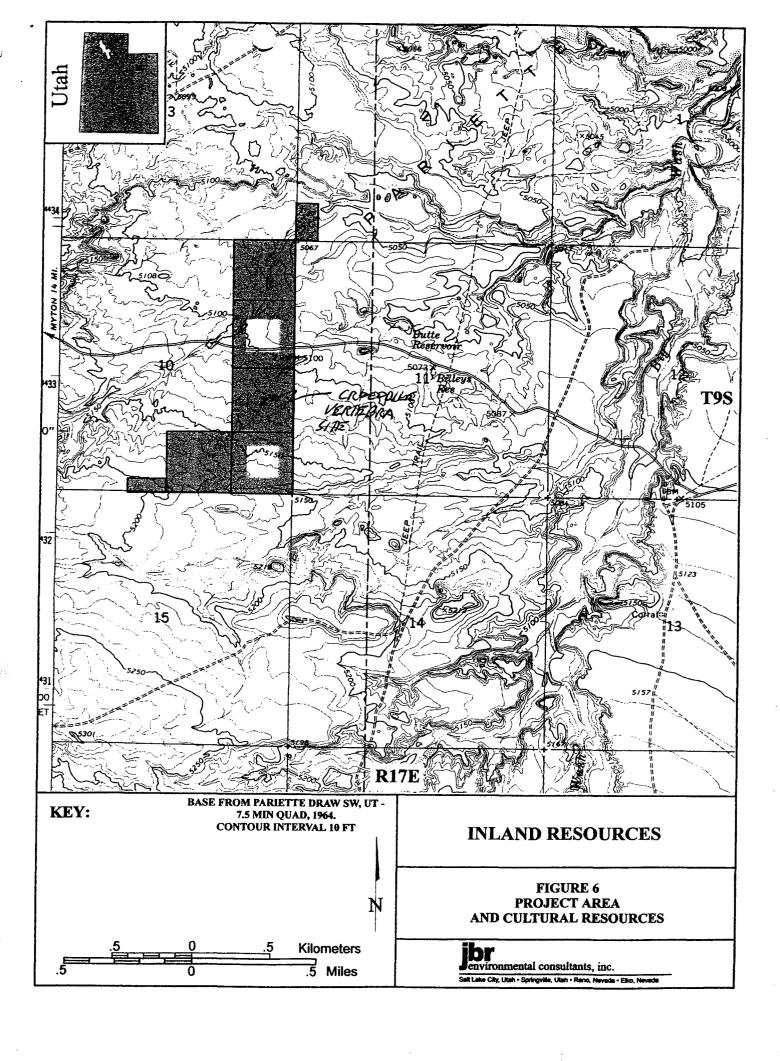
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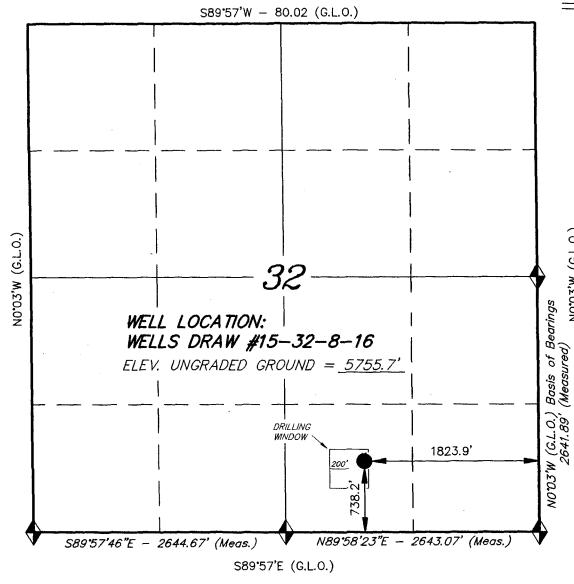
STATE OF UTAH DIVISION OF OIL, GAS AND MINING 5. LEASE DESIGNATION AND SERIAL NO. ML-21836 6. IF INDIAN, ALLOTTEE OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL, DEEPEN DEEPEN la. TYPE OF WORK **DRILL** 7. UNIT AGREEMENT NAME Wells Draw Unit 15 TYPE OF WELL 8. FARM OR LEASE NAME SINGLE MULTIPLE Wells Draw Unit GAS OTHER OIL X ZONE ZONE 2. NAME OF OPERATOR 9. WELL NO Inland Production Company #15-32-8-16 3. ADDRESS AND TELEPHONE NUMBER: 10. FIELD AND POOL OR WILDCAT 410 - 17th Street, Suite 700, Denver, CO 80202 Phone: (303) 893-0102 Monument Butte 4. LOCATION OF WELL (FOOTAGE) 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 4435585 N 738.2' FSL & 1823.9' FEL **SWSE** At Surface 573356E SWSE At proposed Producing Zone Sec. 32, T8S, R16E 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 13 STATE 12. County Approximately 11.5 Miles southwest of Myton, UT **Duchesne** UT 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL OR LEASE LINE, FT (Also to nearest drlg. unit line, if any) Approx 738' f/lse line & 4825' f/unit line 640 40 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, 20. ROTARY OR CABLE TOOLS 19. PROPOSED DEPTH DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. Approximately 1280' 6500' Rotary 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DATE WORK WILL START* 5755' GR 1st Quarter 2000 PROPOSED CASING AND CEMENTING PROGRAM 23. SIZE OF HOLE SIZE OF CASING SETTING DEPTH QUANTITY OF CEMENT WEIGHT/FOOT 300' 120 sx * back to surface 12 1/4 8 5/8 24# 7 7/8 400 sx followed by 330 sx 5 1/2 15.5# TD See Detail Below DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give date on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. *The actual cement volumes will be calculated off of the open hole logs, plus 15% excess: RECEIVED SURFACE PIPE - Class G Cement, w/ 2% CaCl2 & 1/4#/sk Cello-flake Weight: 14.8 PPG YIELD: 1.37 Cu Ft/sk H2O Req: 6.4 gal/sk FEB 07 2000 LONG STRING - Lead: Premium Lite w/3% KCl & 10% gel Weight: 11.0 PPG YIELD: 3.43 Cu Ft/sk H2O Req: 21.04 gal/sk DIVISION OF Tail: 50-50 POZ w/2% gel & 3% KCl OIL, GAS AND MINING eight: 14.2 PPG YIELD: 1.24 Cu Ft/sk H2O Req: 5.5 gal/sk 24. Counsel 1/25/00 ne & Signature Date Jon Holst (This space for State use only) 43-013-31676

> Approved by the Utah Division of Oil, Gas and Mining

> > 00

*See Instructions On Reverse Side

T8S, R16E, S.L.B.&M.



lack

= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW)

INLAND PRODUCTION COMPANY

WELL LOCATION, WELLS DRAW #15-32-8-16, LOCATED AS SHOWN IN THE SW 1/4 SE 1/4 OF SECTION 32, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FELD WOLLD OF ACTUAL SURVEYS MADE BY ME OF LOOPE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELOTIFIE TO WE WOULD BE THE BEST OF MY KNOWLEDGE AND BELOTIFIES.

ROGISTERED LANDI GURVETOR REGISTRATION No. 144102 STATE OF DENIES

TRI STATE LAND SURVEYING & CONSULTING

38 WEST 100 NORTH - VERNAL, UTAH 84078 (435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: D.S.
DATE: 12-29-99	WEATHER: FAIR
NOTES:	FILE #

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

February 22, 2000

Memorandum

To:

Assistant District Manager Minerals, Vernal District

From:

Michael Coulthard, Petroleum Engineer

Subject:

2000 Plan of Development Wells Draw Unit

Duchesne County, Utah.

Pursuant to email between Lisha Cordova, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following wells are planned for calendar year 2000 within the Wells Draw Unit, Duchesne County, Utah.

API # WELL NAME LOCATION

43-013-31676 WELLS DRAW 15-32-8-16 0738-FSL 1824-FEL 32 08S 16E

43-013-31817 WELLS DRAW 16-32-8-16 0601-FSL 0544-FEL 32 08S 16E

43-013-31819 WELLS DRAW 9-32-8-16 1977-FSL 0562-FEL 32 08S 16E

This office has no objection to permitting the well at this time.

/s/ Michael L. Coulthard

bcc: File - Wells Draw Unit

Division of Oil Gas and Mining

Agr. Sec. Chron Fluid Chron

MCoulthard:mc:2-22-00



RECEIVED

FEB 07 2000

OIL, GAS AND MINING

February 4, 2000

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
ATTN: Lisha Cordova
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE:

Application for Permit to Drill Wells Draw Unit #16-32-8-16 Section 32, T8S, R16E Duchesne County, Utah

Dear Ms. Cordova:

Enclosed please find an Application for Permit to Drill the above captioned well, which is being submitted for your approval.

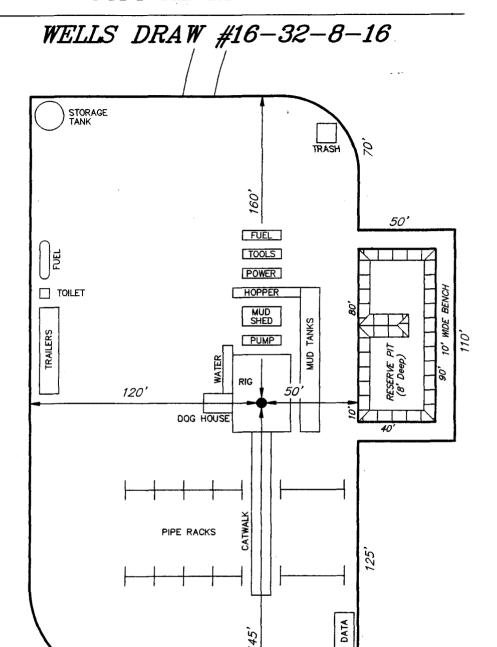
If you should require any additional information or if you have any questions, please contact me at (303) 893-0102.

Sincerely,

/Jon Holst Counsel

Enclosures

TYPICAL RIG LAYOUT





38 WEST 100 NORTH, VERNAL, UTAH 84078

INLAND PRODUCTION COMPANY WELLS DRAW UNIT 16-32-8-16 SESE SECTION 32, T8S, R16E DUCHESNE COUNTY, UTAH

TEN POINT WELL PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta 0 – 1700' Green River 1700' Wasatch 6500'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1700' - 6500' - Oil

4. **PROPOSED CASING PROGRAM:**

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at 300' (New)
Production Casing:5-1/2" J-55, 15.5# w/LT&C collars; set at TD (New or used, inspected); or
4-1/2" J-55 11.6# w/LT&C collars; set at TD (New or used, inspected)

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Series 900 Annular Bag type BOP and an 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

(See Exhibit F)

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

The well will be drilled with fresh water through the Uinta Formation. From the top of the Green River Formation @ 1700' +/- to TD, a fresh water/polymer system will be utilized. If necessary, to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. This fresh water system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride nor chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

AIR DRILLING

In the event that the proposed location is to be "Air Drilled", Inland requests a variance to regulations requiring a straight run blooie line. Inland proposes that the flowline will contain two (2) 90-degree turns. Inland also requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. Inland requests authorization to ignite as needed, and the flowline at 80'.

Inland Production Company requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations of Onshore Order #2.

Ten Point Well Program & Thirteen Point Well Program Wells Draw Unit 16-32-8-16 Page 2 of 7

MUD PROGRAM

MUD TYPE

Surface - 320'

Air

320' - 3800'

Air/Mist & Foam

3800' - TD

The well will be drilled with fresh water through the Green River Formation @ 4200' +/-, to TD, a fresh water/polymer system will be utilized. If necessary,

to control formation fluids, the system will be weighted with the addition of bentonite gel and, if conditions warrant, barite. Clay inhibition will be achieved with additions or by adding DAP (Di-Ammonium Phosphate, commonly known as fertilizer). Typically, this fresh water/polymer system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride nor chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

TESTING, LOGGING AND CORING PROGRAMS: 8.

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500° +-. A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered; or that any other abnormal hazards such as H2S will be encountered in this area.

ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS: 10.

It is anticipated that the drilling operations will commence the first quarter of 2000, and take approximately eight (8) days from spud to rig release.

Ten Point Well Program & Thirteen Point Well Program Wells Draw Unit 16-32-8-16 Page 3 of 7

INLAND PRODUCTION COMPANY WELLS DRAW UNIT 16-32-8-16 SESE SECTION 32, T8S, R16E DUCHESNE COUNTY, UTAH

THIRTEEN POINT WELL PROGRAM

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Inland Production Company well location site Wells Draw Unit 16-32-8-16 located in the SE ¼ SE ¼ Section 32, T8S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed in a southwesterly direction out of Myton, Utah along Highway 40 approximately 1.6 miles to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 approximately 1.7 miles to its junction with State Highway 216, remain on State Highway 53 and continue in a southwesterly direction for another 7.7 miles, turn left for another ½ mile to the beginning of the proposed access road.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

Approximately 0.4 miles of access road is proposed. See **Topographic Map "B"**.

The proposed access road will be an 18" crown road (9" either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

Ten Point Well Program & Thirteen Point Well Program Wells Draw Unit 16-32-8-16 Page 4 of 7

3. <u>LOCATION OF EXISTING WELLS</u>

Refer to Exhibit D.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum the entire contents of the largest tank within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Desert Tan. All facilities will be painted within six months of installation.

5. LOCATION AND TYPE OF WATER SUPPLY

Fresh water purchased from the Johnson Water District will be used for drilling. A temporary poly pipeline may be used for water transportation from our existing supply line from the Johnson Water District, or trucked from Inland Production Company's water supply line.

There will be no water well drilled at this site.

6. SOURCE OF CONSTRUCTION MATERIALS

See Location Layout Sheet – Exhibit E.

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. <u>METHODS FOR HANDLING WASTE DISPOSAL</u>

See Location Layout Sheet - See Exhibit E.

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. A water-processing unit may be employed to continuously recycle the drilling fluid as it is used, returning the fluid component to the drilling rig's steel tanks. The reserve pit will primarily receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, the operator may use a liner for the purpose of reducing water loss through percolation.

Ten Point Well Program & Thirteen Point Well Program Wells Draw Unit 16-32-8-16 Page 5 of 7

All completion fluids, frac gels, etc., will be contained in steel tanks and hauled away to approved commercial disposal, as necessary.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined in storage tanks. Inland requests temporary approval to transfer the produced water to Inland's nearby waterflood, for reinjection into the waterflood reservoirs via existing approved injection wells. Within 90 days of first production, a water analysis will be submitted to the Authorized Officer along with an application for approval of this, as a permanent disposal method.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT:

See attached Location Layout Sheet - Exhibit E.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. PLANS FOR RESTORATION OF SURFACE:

a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

Ten Point Well Program & Thirteen Point Well Program Wells Draw Unit 16-32-8-16 Page 6 of 7

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. SURFACE OWNERSHIP: State of Utah

12. **OTHER ADDITIONAL INFORMATION:**

- a) Inland Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Inland is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Inland Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The Archaeological Cultural Resource Survey is attached.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Inland Production Company guarantees that during the drilling and completion of the Wells Draw Unit 16-32-8-16, Inland will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Inland also guarantees that during the drilling and completion of the Wells Draw Unit 16-32-8-16 Inland will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

Ten Point Well Program & Thirteen Point Well Program Wells Draw Unit 16-32-8-16 Page 7 of 7

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Inland Production Company or a contractor employed by Inland Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:

Representative

Name:

Donn Murphy

Address:

410 Seventeenth Street

Suite 700

Denver, CO 80202

Telephone:

(303) 893-0102

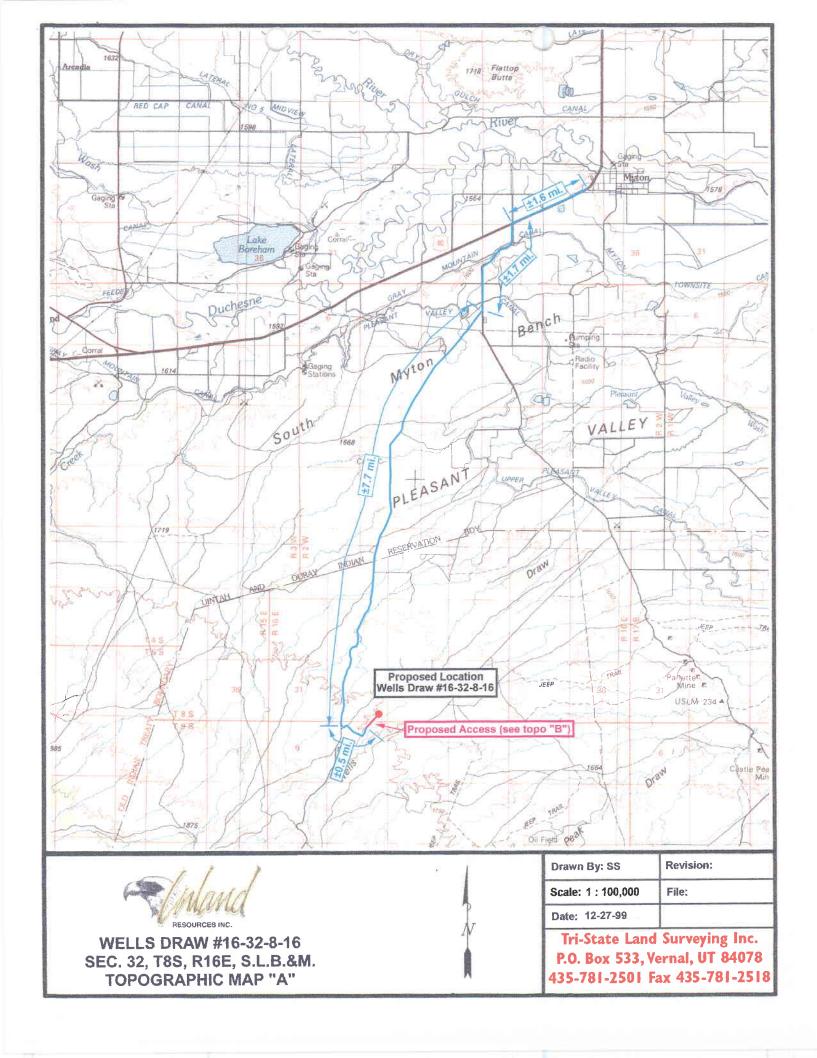
Certification

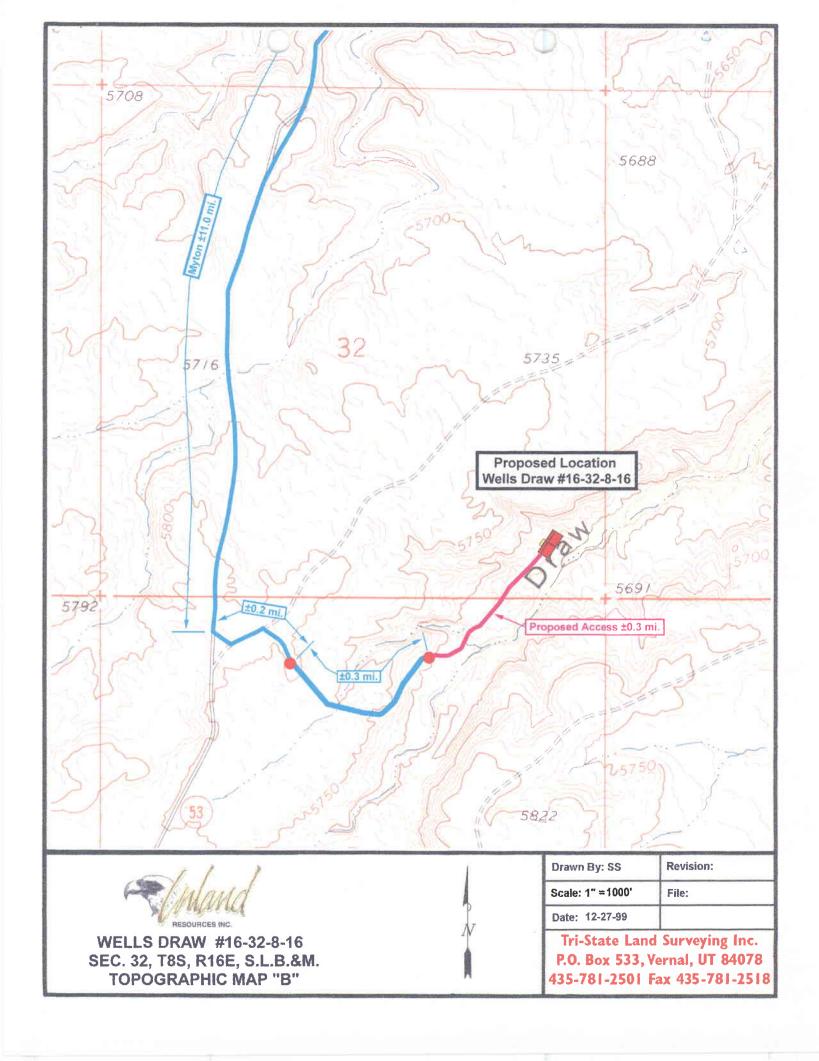
Please be advised that INLAND RESOURCES, INC. is considered to be the operator of well #16-32-8-16, SESE Section 32, T8S, R16E, LEASE #ML-21836, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4471291.

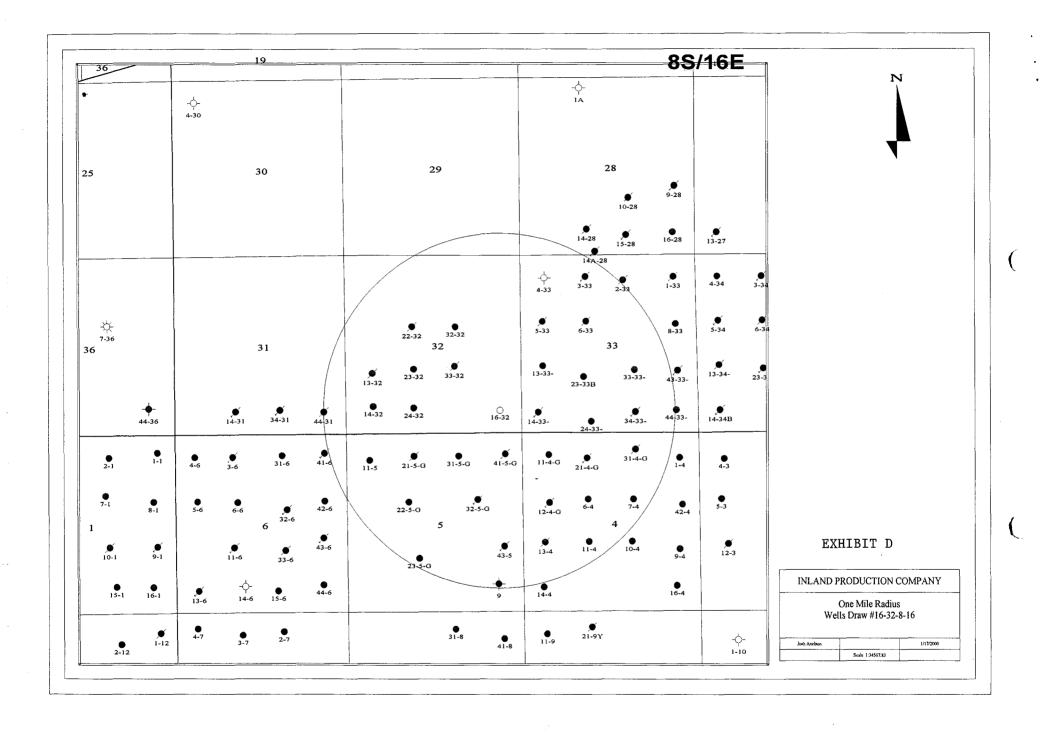
I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

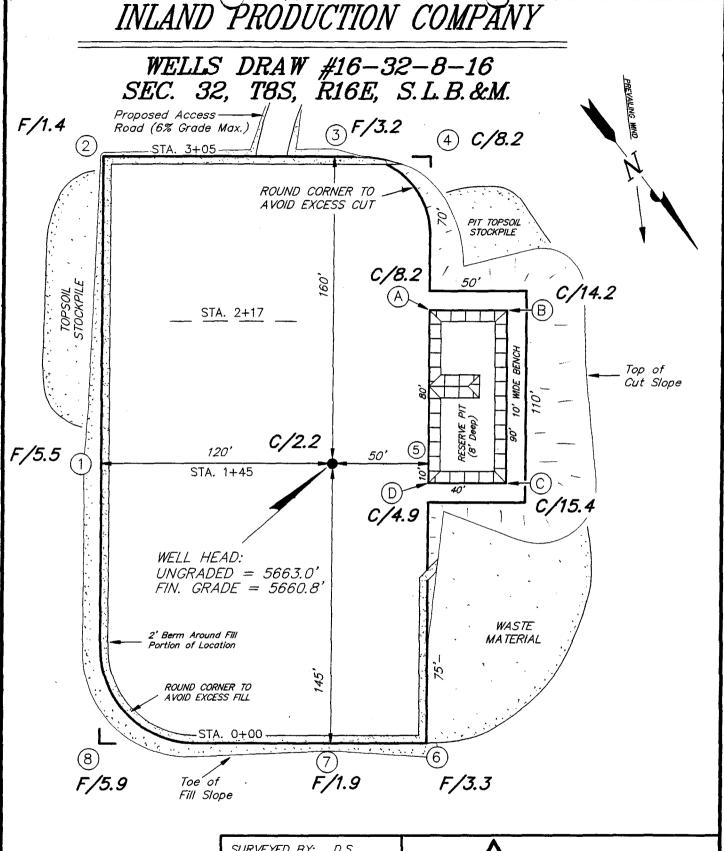
2-4-00 Date

Sr. Operations Engineer









REFERENCE POINTS

170' EAST = 5654.0' 220' EAST = 5647.7'

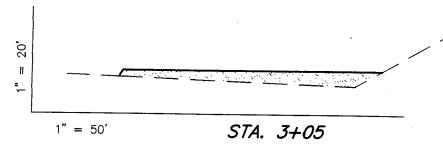
SURVEYED BY:	D.S.
DRAWN BY:	J.R.S.
DATE:	1-13-00
SCALE:	1" = 50'
REVISIONS:	

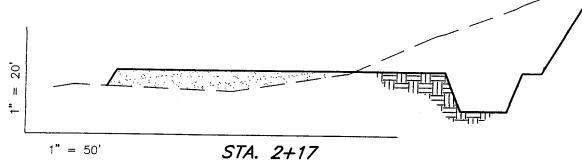
Tri State
Land Surveying. Inc.
(801) 781-2501

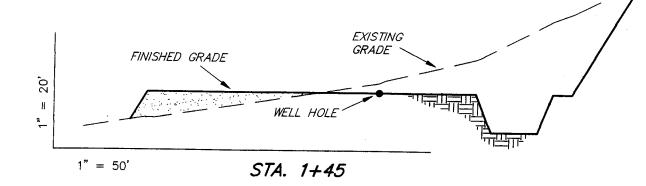
38 WEST-100 NORTH VERNAL, UTAH 84078

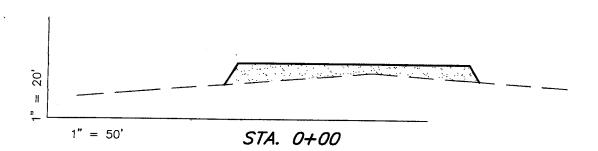
CROSS SECTIONS

WELLS DRAW #16-32-8-16









APPROXIMATE YARDAGES

CUT = 4,670 Cu. Yds.

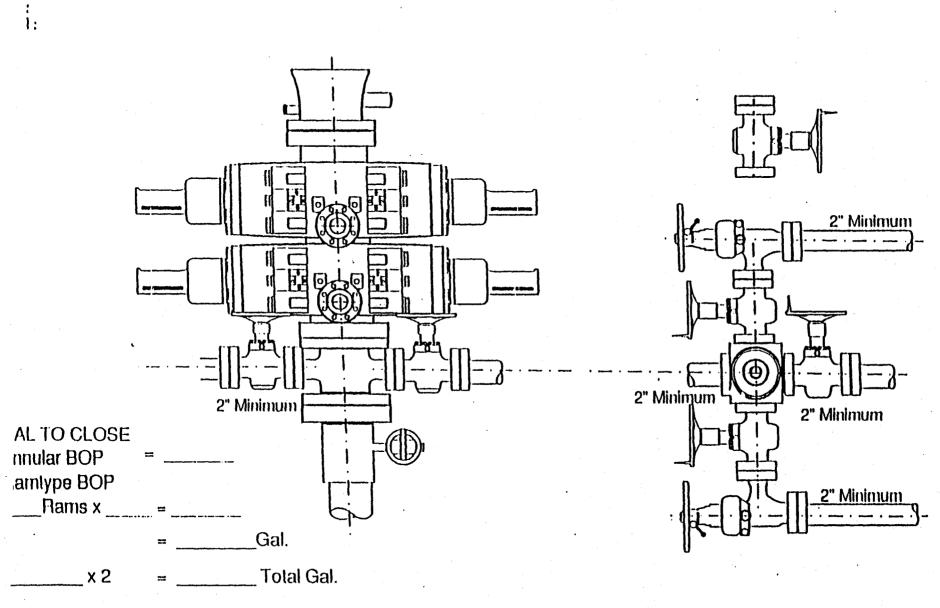
FILL = 4,670 Cu. Yds.

PIT = 920 Cu. Yds.

6" TOPSOIL = 1,060 Cu. Yds.

Tri State
Land Surveying. Inc.
(801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078



Rounding off to the next higher nerement of 10 gal, would require _____ Gal. (total fluid & nitro volume)

EXHIBIT F

CULTURAL RESOURCE INVENTORY OF NINE WELL PADS AND IN-FILL LOCATIONS IN THE ASHLEY, LONE TREE, BLACK JACK, WELLS DRAW EXPANSION, AND CASTLE DRAW UNITS DUCHESNE AND UINTAH COUNTIES, UTAH

JBR Cultural Resource Report 99-26

by Richard Crosland

prepared for Inland Resources Inc. Denver, Colorado

submitted by

JBR Environmental Consultants Inc. Springville, UT

December 3, 1999

Federal BLM Permit No. 99UT55134 Utah State Project Authorization No. U-99-JB-0331bs

MANAGEMENT SUMMARY

Agencies:

School and Institutional Trust Lands Administration, Bureau of Land Management, Vernal District and Utah State Historic Preservation Office.

Project Number:

Utah State Project Authorization No. U-99-JB-0331bs

Project Description: The project consists of a cultural resource inventory of nine 40 acre well pads and an additional 75 acres of in-fill around existing wells. The well pads included in the survey consist of 1-2 and 8-2 in the Ashley Unit; 9-32, 15-32, and 16-32 in the Wells Draw Expansion; 10-16 in the Lone Tree Unit; 1A-10, and 9-10 in the Castle Draw Unit; 15-10 in the Black Jack units. In-fill acreage is located in the Castle Draw and the Black Jack Unit. A total of 435 acres are included in the project, of which 250 acres are administered by SITLA and 185 acres by the Vernal District, Diamond Mountain Resource Area, BLM.

Location:

Inventoried well pads in the Ashley Unit and Wells Draw Expansion are located approximately 11 miles southwest of Myton, Utah, in Duchesne County. Inventoried well pads and in-fill areas are in the Lone Tree, Castle Draw, and Black Jack units are located approximately 12 miles southeast of Myton, Utah, in Duchesne County.

Cultural Resources: The Class III inventory identified one previously recorded site, seven newly recorded sites, and five isolated artifacts. Seven of the sites are prehistoric in nature with one site having both prehistoric and historic components. During follow up work for the project, sites 42DC1249 and 42DC1250 were revisited and sites 42DC1287, 42DC1288, and 42DC1289 were recorded. Additional recording work at sites 42DC1249 and 42DC1250 took the form of detailed mapping of the sites, the placement of a series of test probes, and surface collection at 42DC1250. Three of the eight sites identified during the project are recommended as eligible for the NRHP with one being determined as unevaluated until future testing.

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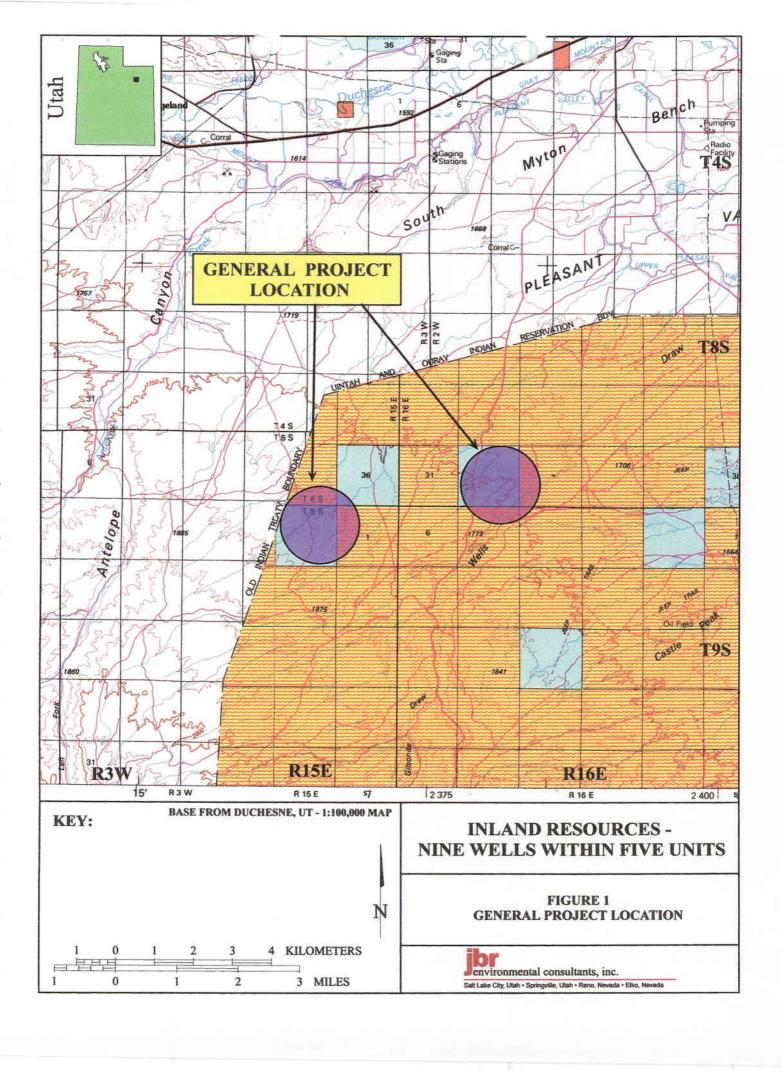
1.0 INTRODUCTION

JBR Environmental Consultants, Inc. of Springville, Utah, completed a cultural resource inventory of nine well pad locations and an additional 75 acres of in-fill surrounding existing well pads. The well pad locations surveyed for the present project consist of 1-2 and 8-2 in the Ashley Unit; 9-32, 15-32, and 16-32 in the Wells Draw Expansion; 10-16 in the Lone Tree Unit; 1A-10, and 9-10 in the Castle Draw Unit; 15-10 in the Black Jack Unit. In-fill acreage is located in the Castle Draw and the Black Jack units.

The cultural resource inventory of the nine well pad locations and in-fill acreage encountered seven prehistoric sites, one prehistoric/historic site, and five isolated finds. The project inventory was originally conducted on June 24 and 25, 1999, by JBR personnel Richard Crosland, Jeffrey Rust, Steve Ice, and Tuula Rose. Points located on site 42DC1250 were later identified as likely Paleoindian points. This prompted more formal recording, mapping, and collection of site 42DC1250 and the re-recording of 42DC1249. Additional inventory, recording and testing work took place November 4th, 16th, 19th, and 30th 1999, by Scott Billat, Richard Crosland, Steve Ice, Beth Ann Camp, Danielle Diamond and Aaron Ferguson.

2.0 PROJECT LOCATION

The proposed project area is located on lands administered by the School and Institutional Trust Lands Administration (SITLA) and the Bureau of Land Management (BLM) Vernal District. Well pads located on State Lands include 1-2 and 8-2 (Ashley Unit); 9-32, 15-32, and 16-32 (Wells Draw Expansion); 10-16 (Lone Tree Unit) and in-fill location 14-2 (Castle Draw Unit) for a total of 250 acres. Well pads located on BLM lands include well pads 1A-10, 9-10, and 15-10 (Black Jack Unit) and in-fill locations in the Black Jack Unit for a total of 185 acres (Figure 1). The legal locations for the project acreage are listed in Table 1.



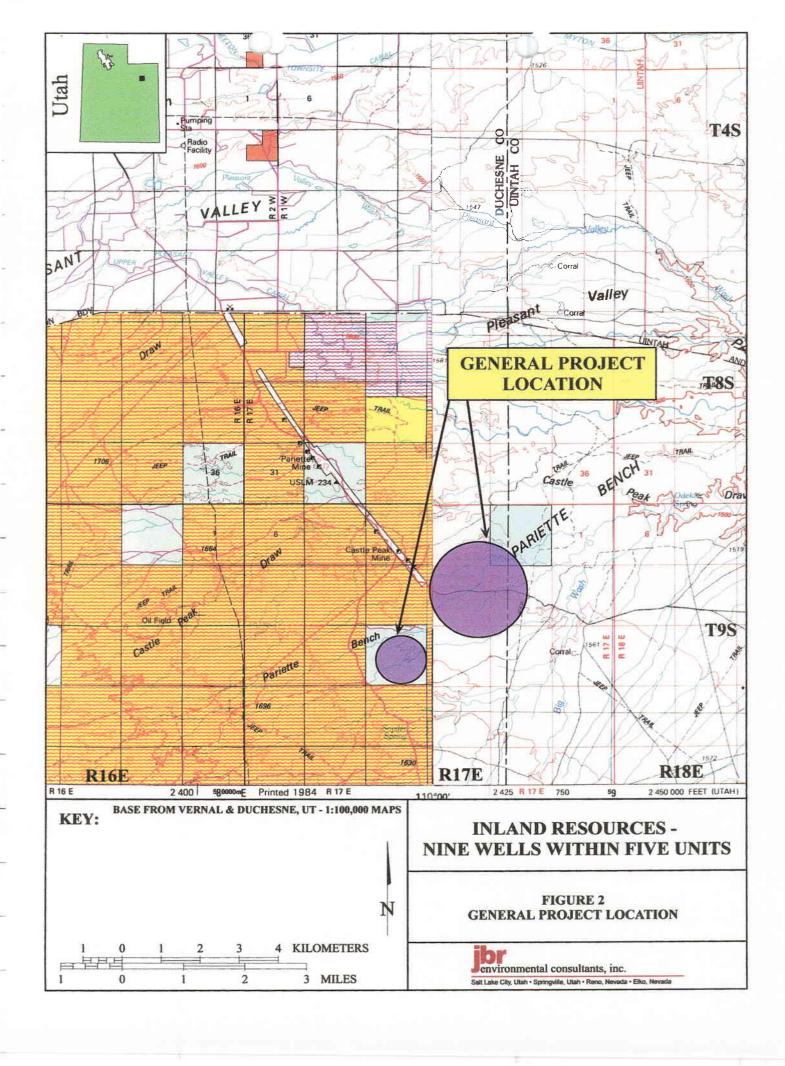


Table 1. Project Area Legal Locations

Well Locations	Township/Range Section	Legal Locations	Ownership	USGS Quad
1-2 and 8-2 Ashley Unit	T. 9S R.15E, Sec. 2	E½ NE¼	SITLA	Myton SW, UT
9-32, 15-32 and 16-32 Wells Draw Expansion	T. 8S R.16E, Sec. 32	E½ SE¼; SW¼ SE¼	SITLA	Myton SW, UT
10-16 Lone Tree Unit	T. 9S R.17E, Sec. 16	NW¼ SE¼	SITLA	Myton SE, UT
1A-10, 9-10 In-fill 1-10, 1 (Castle Draw Unit) 15-10, In- fill 3-N10 (Black Jack Unit)	T. 9S R.17E, Sec. 10	E½ E½; SW¼ SE¼; S½ SE¼ SE¼; SW¼;	BLM	Pariette Draw SW, UT
In-fill 14-2 (Castle Draw Unit)	T. 9S R.17E, Sec. 2	SW¼ SW¼ SW¼	SITLA	Pariette Draw SW, UT

3.0 NATURE OF PROPOSED IMPACTS

Inland Resources proposes to develop nine well locations within the identified project area. Less than 10 acres per well pad will be impacted by Inland during drilling operations. The completion of 40 acre well tracts will give Inland an area to situate the final well placement and associated facilities during development. Also, access roads can be adjusted into the 40 acre well tracts. Many of these proposed wells will be accessed from existing well roads. The in-fill acreage will complete 40 acre pads which had only 10 acres previously completed, to allow development of access roads and other facilities.

4.0 ENVIRONMENTAL SETTING

The well pads in the Ashley Unit are located approximately two miles west of Wells Draw and two miles east of Antelope Canyon. The terrain consists of dissected tableland with a large intermittent drainage located along the north end. The three well pads located in the Wells Draw Expansion are found partially within the Wells Draw drainage system. The draw runs through the southeast portion of the area while the northern area of the well pads on tableland areas. The well pad in the Lone Tree Unit is located immediately south of the Pariette Bench. The remaining survey area in the Castle Draw Unit and the Black Jack Unit are located approximately one mile west of Big Wash

along Pariette Bench. A drainage which feeds in to Big Wash runs through the northern portion of the survey area. Aeolian sand deposits are located north of this drainage. The land slopes gradually to the south with one small butte feature located near the center of the survey area.

4.1 Geology

The area is characterized by low rolling tablelands dissected by deep draws and low eroding bedrock outcrops of sandstone and limestone. Soils in the area are a fine light tan to medium brown silty sands. The surface sediments consist of an inter-fingering of fluvial deposits and thinly bedded Pleistocene lake bed deposits. Sediments contain a moderate amount of Pleistocene gravels and some small areas of Eocene Green River Formation are visible in eroded areas. Aeolian sand deposits are also present in some areas.

4.2 Flora/Fauna

The project area is within the Upper Sonoran Life Zone. Vegetation within the project area includes four-wing saltbrush, winterfat, narrow leafed yucca, greasewood, and a variety of forbs and low grasses. Fauna noted in the project area includes antelope, jackrabbit, cottontail rabbit, and ground squirrel.

5.0 PREVIOUS RESEARCH

A Class I file search was conducted at the State Historic Preservation Office and at the Vernal District Bureau of Land Management on June 25, 1999. Over 150 cultural resource inventories have been completed in areas surrounding the current project blocks. The majority of these inventories have been associated with the gas and oil industry and include well pads, access roads, and pipeline projects. Over fifty cultural resource projects were located within or immediately adjacent to the current project blocks. A select listing of these projects is incorporated below in Table 2.

No historic GLO maps or historic indices are available for the area and could not be reviewed for existing historic properties.

Table 2. Previous Cultural Inventories Near the Current Project Areas

Report No.	Project	Date	Firm	Sites
013-92	Inventory of a well pad	1983	Grand River Consultants	None
013-160	Inventory of a well pad	1984	Grand River Consultants	None
013-177	Inventory of a pipeline	1984	Grand River Consultants	None
013-208	Inventory of a well pad and access road	1994	Senco-Phoenix	None
013-241	Inventory of three well pads	1984	Archaeological- Environmental Research Corp. (AERC)	1 site
013-232	Inventory of two well pads	1985	Sagebrush Archaeological Consult.	None
81-UT-181	Inventory of two well pads	1981	Utah Archaeological Research Corp. (UARC)	None
82-UT-358	Inventory of a well pad and access road	1982	Environmental Consultants	None
82-UT-373	Inventory of a well pad and access road	1982	UTARC	None
U86-AF-770s	Inventory of a well pad	1986	AERC	None
U89-SJ-097b	Inventory of 2 well pads	1989	Sagebrush	None
U93SJ-720b	1,160 acre block survey	1994	Sagebrush	11 sites
UT-93-AF-725s	Inventory of well pad and road	1993	AERC	None
U94-SJ-448b	Inventory of three well pads	1994	Sagebrush	2 sites
U95-SJ-658b	Inventory of a well pad and access road	1995	Sagebrush	None
U95-AF-664b,s	Inventory of four well pads and access roads	1996	AERC	None
U95-AF-773b	Inventory of 13 well pads and access roads	1996	AERC	None
U95-СH-0776b	Inventory of eight power lines	1996	Complete Archaeological Service Assoc. (CASA)	2 Paleontological sites
U96-SJ-0075b	Inventory of a pipeline	1996	Sagebrush	None

Report No.	Project	Date	Firm	Sites
U98-AF-0164b,s	3,919 acre block survey	1998	AERC	28 sites
U98-SJ-0217b	1,320 acre block survey	1998	Sagebrush	3 sites
U98-Љ-0659b	Inventory of three well pads	1998	JBR Environmental Consultants	8 sites
U-98-JB-0681b	50 acre well pad inventory	1998	JBR Environmental Consultants	1 site

The majority of the projects located near the current project encountered few if any cultural resource sites. Only eight sites were located within ¼ mile of the project areas and are listed below in Table 3. The sites include five lithic scatters, a lithic quarry, a prehistoric campsite, and an historic trash scatter. Only one of the sites (42DC795) was located within the current project area.

Table 3. Cultural Resource Sites within 1/4 Mile of Current Project.

Site #	Site Type	Cultural Affiliation	Eligibility	Location
42DC586	Lithic Scatter	Unknown Aboriginal	Ineligible	Near Block 2
42DC587	Lithic Quarry	Unknown Aboriginal	Ineligible	Near Block 2
42DC782	Lithic Scatter	Unknown Aboriginal	Ineligible	Near Block 2
42DC794	Historic Trash Scatter	Euro-American	Ineligible	Near Block 2
42DC795	Lithic Scatter	Unknown Aboriginal	Ineligible	Inside Block 2
42DC796	Prehistoric Campsite	Archaic	Eligible	Near Block 2
42DC942	Lithic Scatter	Unknown Aboriginal	Ineligible	Near Block 4
42DC1192	Lithic Scatter	Unknown Aboriginal	Ineligible	Near Block 4

6.0 CULTURE HISTORY

A number of overviews have been written for the region and adjacent regions including Jennings (1974, 1978, 1986), Aikens (1970), Madsen (1980), and Aikens and Madsen (1986).

6.1 Prehistoric Overview

Jennings (1986) and Aikens and Madsen (1986), proposed a chronology for the eastern Great Basin that divides the cultural sequence into three periods that are somewhat equivalent to the general Basin-wide chronological sequence: Bonneville period (11,000-9,500 B.P.), Wendover period (9,500-6,000 B.P.), and the Black Rock period (6,000-1,500 B.P.). Madsen (1982) also presents a model of the prehistory of the region that include the following: Paleoindian (12,000-9,000 B.P.), Archaic (8,500-1,600 B.P.), Formative Fremont (1,600-650 B.P.), and Numic (700 B.P.-present). Below is a brief summary and overview of these periods.

The Paleoindian period (12,000-9,000 B.P.) was first defined on the high plains east of the Rocky Mountains as a time of specialized hunting of large game animals such as mammoth, bison, horse, etc. (Jennings 1974). Tools associated with this culture include a series of diagnostic projectile points known as Clovis, Folsom, and Plano points. The Great Basin Stemmed points and crescents are considered by Hester (1973) to be diagnostic of the pre-Archaic Western Pluvial Lakes Tradition in the Great Basin as well, but few have been noted in Utah.

In Utah, significant Paleoindian sites were found in the Sevier Lake region, in the Escalante Desert, south of Green River, and in southeastern Utah. Clovis, Folsom, Dalton-Meserve, Plainview, and Great Basin Stemmed projectile points and crescents have been recovered from these areas (Davis 1986; Janetski and Holmer 1982). Folsom and Plano points and crescents from this period have been reported in Millard County, near the Beaver and Sevier river areas (Janetski and Holmer 1982), and near Delta (Simms and Lindsay 1984). To date, no Paleoindian sites have been formally reported in Uinta County, although at least two Folsom points have been recovered to the west in Duchesne County.

The Archaic period (8,500-1,600 B.P.) is well represented in Utah. The Archaic lifeway was highly adaptive, based on hunting and gathering subsistence practices. Archaic subsistence included a wide array of food sources. During the earlier stages of this period, Archaic people resided around pluvial

lake margins and riverine environments. Later, in response to the decline of these ecozones, populations shifted to upland areas to take advantage of available resources. Cultural remains from this period include items such as metates, baskets, bone implements and a variety of diagnostic projectile points. Common point types include Elko and Humboldt series, Pinto, Sudden Sidenotched and Gypsum.

Evidence of the Archaic is exhibited by recorded surface sites and rockshelters throughout the region. Rockshelters and cave sites have been the primary means for defining what we know about the culture. Some of these shelters include Walters and Cowboy Caves with C-14 dates of ca. 6875 BC and ca. 6690 BC, which marks the earliest known occupation of the Colorado Plateau (Schroedl 1976). Schroedl (1976) has subdivided the Archaic period into four different phases based on diagnostic point styles to provide temporal control.

The earliest phase is known as the Black Knoll Phase (6350-4250 BC), and is marked by the presence of Elko Corner-notched points, and Pinto series points. An early Pinto variant has been found on the same site as Folsom points, and together, the styles from the Moab Complex (Hunt and Tanner 1960). The following phase is the Castle Valley Phase (4250-2550 BC). Point styles are more diversified during this period and include Rocker Base, Sudden and Hawken Side-notched points. During the later half of the period Humboldt points appear and become the dominate point style. The beginning of the Green River Phase (1550-1350 BC) coincides with the dichotomy in point styles between the western and eastern sections of the Plateau. The western variant includes San Rafael Side-notched and Gypsum points, while the eastern variant is predominated by Duncan Hanna Points. The final Archaic phase is the Dirty Devil Phase (1350 BC - AD 450) which exhibits a continuity from earlier phases with the Gypsum and Elko Series points. This phase is evidenced more from unfired clay objects, basketry, and sandals rather than point styles as the previous phases (Madsen and Berry 1975). Significant excavated sites in the Uinta Basin that contain Archaic cultural material include Hells Midden (Lister 1951), Thorne Cave (Day 1964), Deluge Shelter, and Swelter Shelter (Leach 1970).

The Fremont inhabited the region between 1600-650 B.P. (Jennings 1978). They were horticulturalists with varying dependencies on corn, beans and squash. The Fremont also hunted small and large game animals and utilized wild plant foods. They built semi-subterranean pit houses, surface jacal and masonry habitation units and coursed adobe granaries. The remains of the structures often appear as low lying mounds in valleys, and on alluvial fans and ridge tops. Diagnostic artifacts from this period include the Utah type metate, clay figurines and small to medium size corner-notched and side-notched projectile points. Ceramics consist mostly of

graywares, but also include some corrugated, incised, and black-on-white styles. The Turner-Look site exhibited semi-subterranean houses of dry laid masonry, cultivating corn and possibly squash. The diagnostic Uinta Gray ceramics at the site, place occupation at AD 1050 or later (Wormington 1955; Jennings 1978).

Numic speaking groups (Ute and Gosiute) appear to have replaced the Fremont after about 700 B.P., during the Late Prehistoric period. These groups relied on a hunter-gatherer lifestyle, similar to that of the Archaic. They lived in temporary brush wickiups and rockshelters (Steward 1938). These groups depended on a variety of wild plants, and employed seasonal movements; gathering resources produced in various ecological zones. Evidence of the Late Prehistoric period comes from surface sites, containing light artifact remains, and shallow rockshelter deposits. Diagnostic artifacts include non-painted brownware ceramics and the Desert Side-notched point.

6.2 History

The first European contact with Native Americans of the region was the 1776 Dominguez-Escalante expedition in Colorado, Utah and Arizona (Fowler 1986; Warner 1976). Detailed descriptions of the dress, weapons and manner of the groups they encountered were recorded. The Dominguez-Escalante expedition traversed the territory of the Utes, Western Shoshone, Southern Paiute and the Navajo. After the Dominguez-Escalante expedition, the Spanish continued to return to Utah to trade for horses, slaves and gold.

In 1805, the Lewis and Clark expedition encountered Northern Shoshone groups in the Snake River region and kept detailed records of their political organization, dress, territory and subsistence. Beginning in the 1820s, fur trappers from Canada, eastern U.S. and Taos entered Utah and began trapping beaver. By 1840, the beaver were gone. However, these mountain men, Jedediah Smith (1826-1829), Etienne Provost (1824-1825), Peter Skene Ogden (1825-1829) and William Ashley (1825-26) had managed to explore much of the state and had encountered numerous Native American peoples.

The first U.S. Government explorers arrived in Utah in the 1840s and recorded some encounters with Native Americans. These included Fremont in 1845, Stansbury in 1852, Simpson in 1876, and Gunnison-Beckwith in 1856. In 1847, the first Mormon settlers arrived in the Salt Lake Valley. From this point the pioneers were almost in constant contact with Native American cultures and people. A result of this continuing contact was armed conflict and four major battles or wars: The

Provo River Battles (1850), Walker War (1853), Gosiute War (1860-1863), and the Black Hawk War (1865-1867).

By the 1870s, Native American cultures were receiving attention as ethnographic resources. In 1876, John Wesley Powell documented the language, territory, culture, religion and social organization of the Shoshone and Southern Paiute. This body of material has been used to classify and reconstruct the ethnohistory of these cultures by other ethnographers; A.L. Kroeber (1907), Julian Steward (1938), Isabel Kelly (1964), Catherine and Don Fowler (1971), and others.

The settlement of Duchesne County is unique to the state in that it was not settled by Mormon pioneers, since early scouting parties had deemed the area unfit for settlers. The area was settled in 160 acre parcels under the Homestead Act. The Dry Gulch Irrigation Company was incorporated in 1905 by William H. Smart and Reuben S. Collett to help individual farmers obtain water rights from the state (Powell 1994). The county's economy is based primarily on the livestock industry, but rich oil and gas reserves are also present.

Myton is an historical community located to the north of the project area. The settlement was built at the only bridge crossing on the Duchesne River and had the early name of Bridge City. For many years the town functioned as a river crossing and trading post. The community received its present name from Major H. P. Myton who was assigned to the area in 1905 as the region was opened to settlers (Van Cott 1990).

7.0 ARCHAEOLOGICAL METHODS

A Class III inventory was completed for the project by four JBR cultural resource personnel, walking parallel transects at fifteen meter intervals. When cultural resources were encountered during the survey, they were recorded on IMACS site forms or Utah Isolated Find forms. Each site was plotted on a USGS topographic map, site sketches were drawn, tools or diagnostic artifacts were drawn, photographs taken, and 18-inch white PVC pipe datums with aluminum tag were placed on eligible sites. No datum was relocated at site 42DC795 and none was indicated on the original site sketch. JBR placed a PVC datum with a temporary number of IN9-1 on site 42DC795 as indicated on the updated site sketch. Isolated finds were also plotted on a USGS topographic map. During the detailed recording and mapping of sites 42DC1249, 42DC1250, and 42DC1289 a total station was

used for mapping. The entire surface assemblage from 42DC1250 was collected as mapping took place. All field notes are on file at JBR Environmental Consultants Inc., Springville, Utah.

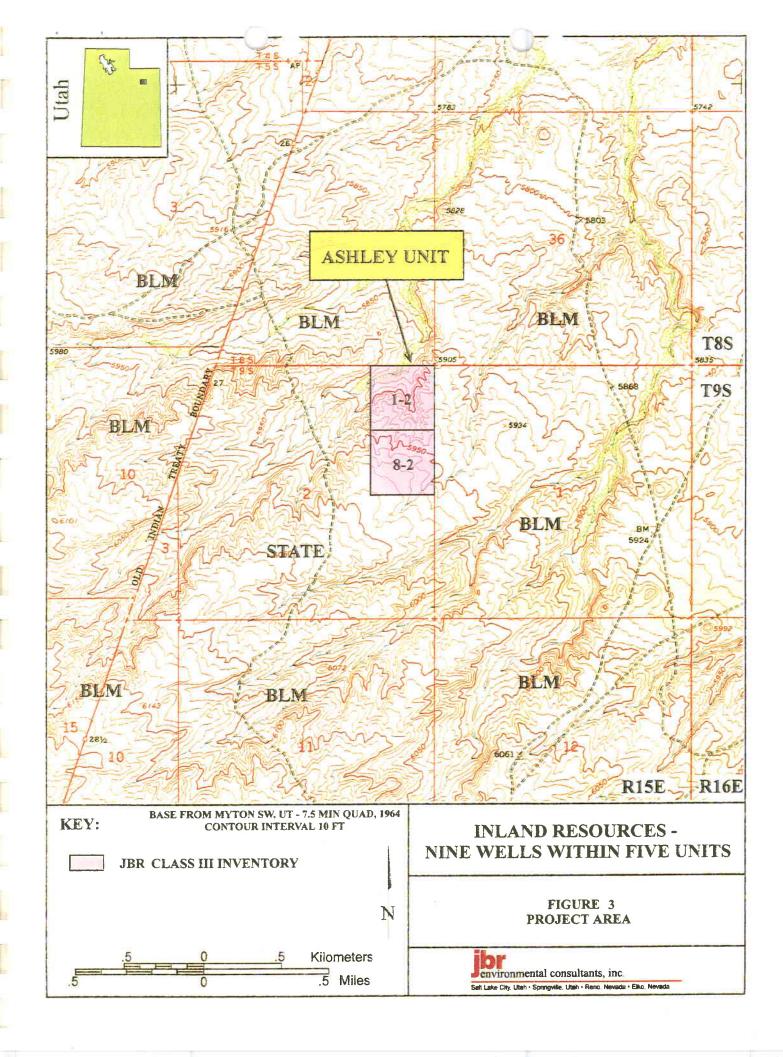
7.1 Archaeological Expectations

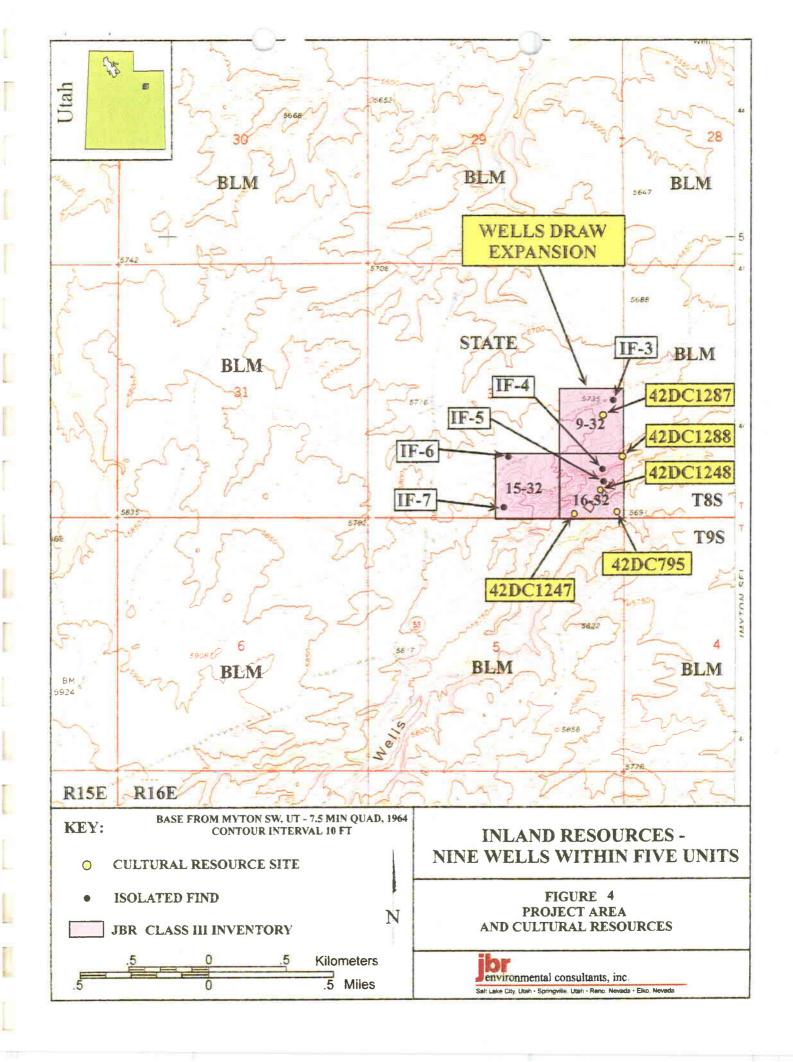
Previous projects indicate that the potential for historic properties would be greatest near the Wells Draw Expansion and relatively low in the remaining project areas. Gas and oil exploration activities have occurred in the area for the past three decades but rarely date prior to 1950. Prehistoric site potential was expected to vary with the terrain. Terraces and edges of large drainages were expected to have a relatively high prehistoric site potential. Other areas of undulating open spaces were expected to have a relatively low site potential.

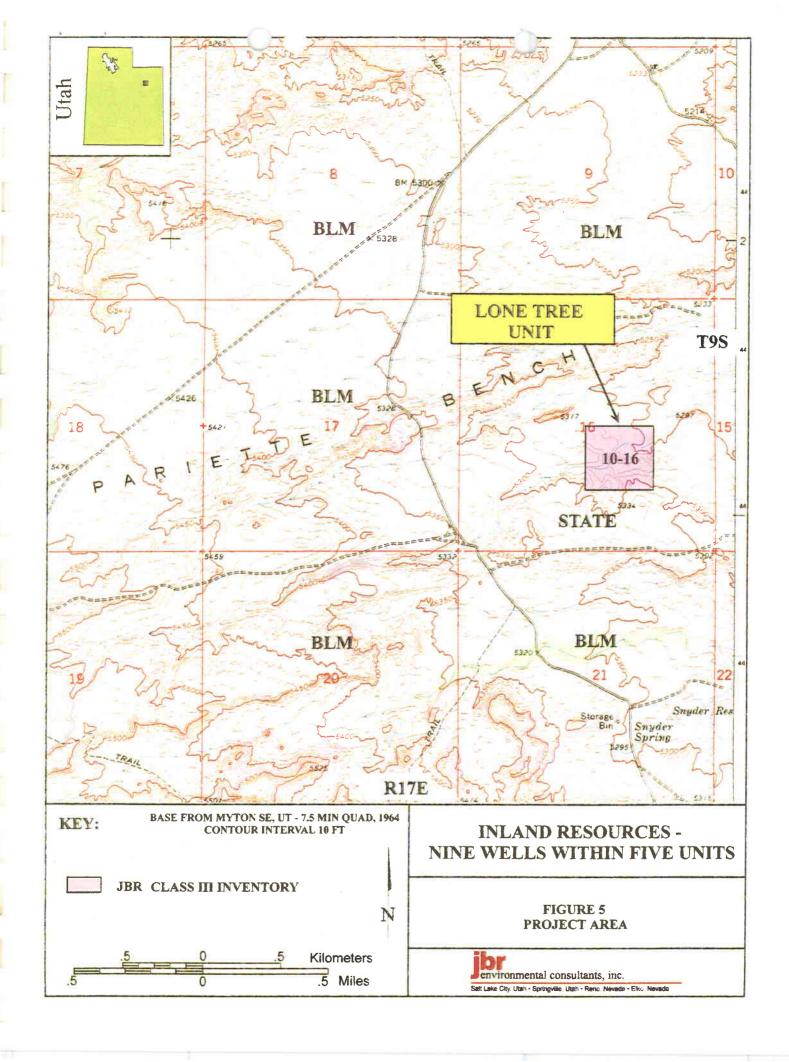
8.0 INVENTORY RESULTS

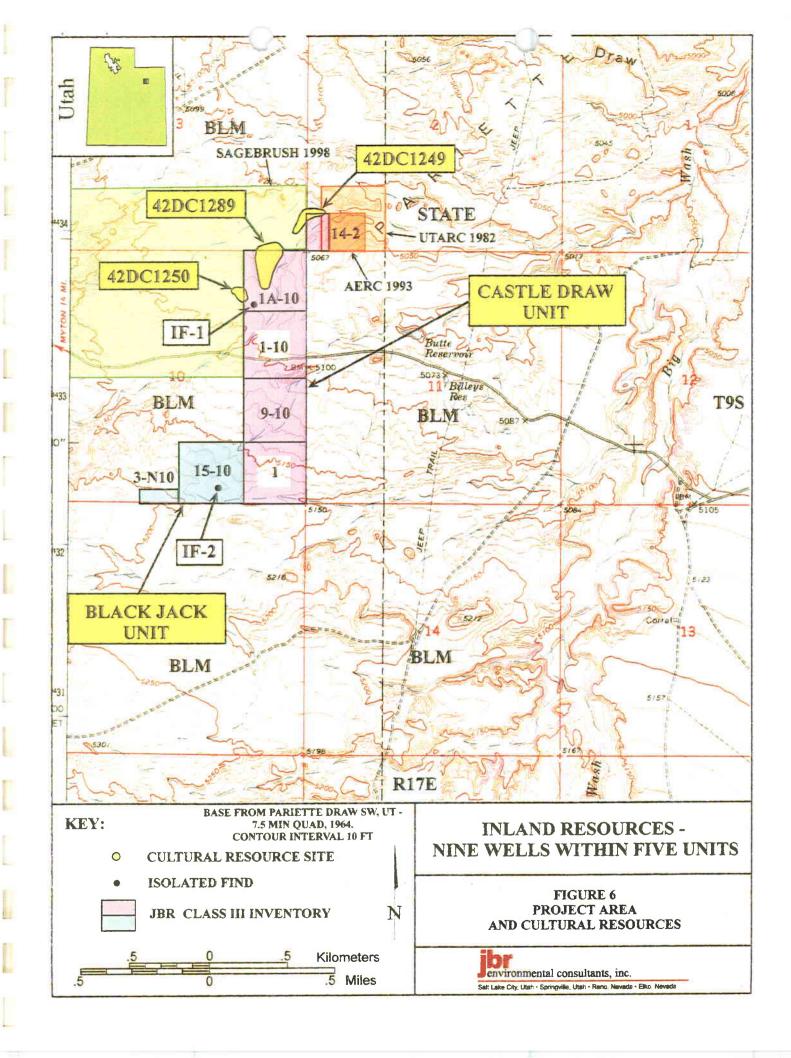
8.1 Cultural Resource Inventory

The class III inventory identified one previously recorded site, seven newly recorded sites, and five isolated finds. The cultural resource sites consist of three prehistoric campsites, four lithic scatters, and one lithic scatter/historic debris scatter. A summary of the cultural resource sites can be found in Table 4 and a description of each of the eight encountered sites is included in the following pages. The isolated finds are summarized in Table 5. Site locations are shown on Figures 4 and 6. During the revisitation of site 42DC1250, it was found to be primarily outside of the project block (Well 1A-10) and within the adjacent well/project block completed in 1998 by Sagebrush Consultants (Polk and Diamond 1998). Further, the majority of site 42DC1249 was also found to be mostly outside of the project block (Well 14-2) and located in an adjoining area previously inventoried. These adjacent and overlapping areas were inventoried by Sagebrush Consultants (Polk and Diamond 1998), UTARC (Cook 1982), and AERC (Hauck and Hadden 1993). Portions of site 42DC1289 are also located in previously inventoried areas (Polk and Diamond 1998).









4. Summary of Cultural Resource Sites.

,	Site Type	Cultural Affiliation	Evaluation
_	Lithic Scatter	Unknown Aboriginal	Ineligible
	Campsite	Unknown Aboriginal	Eligible
	Campsite	Unknown Aboriginal	Ineligible
1	Campsite	Unknown Aboriginal	Eligible
	Lithic Scatter	Unknown Aboriginal	Eligible
	Lithic Scatter Historic Debris	Unknown Aboriginal Euro/American	Ineligible
	Lithic Scatter	Unknown Aboriginal	Ineligible
	Lithic Scatter	Unknown Aboriginal	Unevaluated

Table 5. Summary of Isolated Finds.

	Location
1	586460 mE 4433550 mN T9S R17E Section 10 SW¼ SW¼ NE¼ NE¼
ı	586260 mE 4432370 mN T9S R17E Section 10 SW¼ SE¼ SW¼ SE¼
	573860 mE 4436140 mN T8S R16E Section 32 SE¼ NE¼ NE¼ SW¼
ke	573780 mE 4435660 mN T8S R16E Section 32 NW1/4 NE1/4 SE1/4 SE1/4
	573820 mE 4435620 mN T8S R16E Section 32 SE¼ SE½ NE½ SW½
	573170 mE 4435750 mN T8S R16E Section 32 NW1/4 NW1/4 SE1/4 SE1/4
	573170 mE 4435420 mN T8S R16E Section 32 SW4/ SW4/ SW4/ SE4/

'95 1

nd 7

outh of Wells Draw.

It is a lithic scatter located on current revisit, the site appears as, 60 by 45 meters in size. It nic debitage is 75% secondary material includes gray/brown lakes is five per square meter. a of dense lithics is present in id in the more eroded areas of

atter with four non-diagnostic ected for evidence of cultural vide further substantive data lement patterns. The site does for the NRHP.

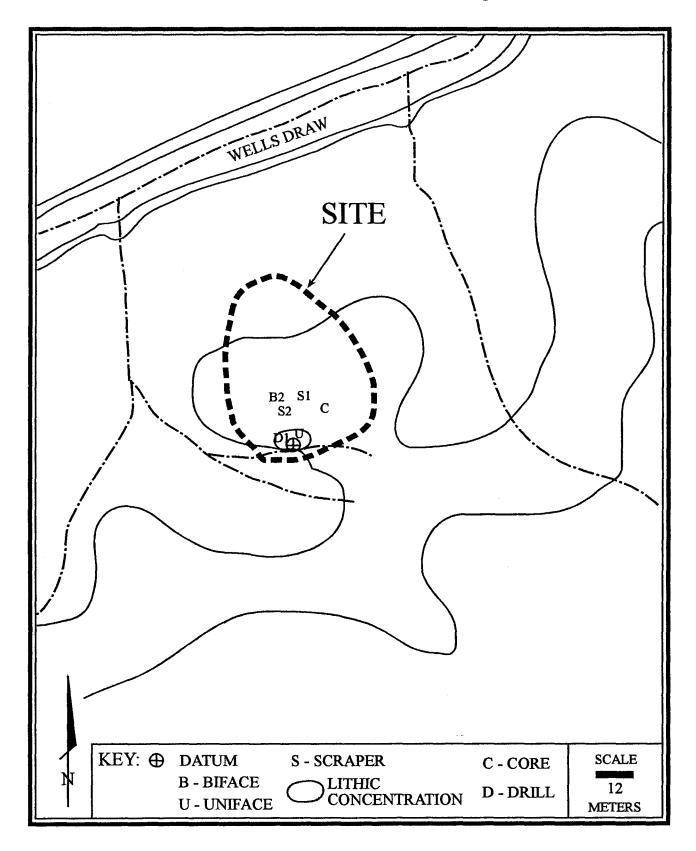


Figure 7. Plan map of site 42DC795.

Site Number: 42DC1247

Temp Number: IN9-2 Figure Numbers: 4 and 8

Site Type: Campsite

Cultural Affiliation: Unknown Aboriginal

Setting: The site is located on a small finger between a drainage and Wells Draw in an area of undulating tableland.

Description: The site is a campsite located on a low finger between a drainage and Wells Draw. It is 30 by 18 meters in size and contains 40-50 flakes and 30-50 FCR fragments. Lithic debitage is mostly secondary flakes with a few primary flakes and shatter also noted. Most of the FCR and flakes are concentrated within a 16 by 8 meter area (Area 1). Lithic materials are primarily cherts but a few pieces of sandstone have also been flaked. Tools include four chert bifaces and a rhyolite chopper. No diagnostic tools, features, or ceramic were noted. There is some potential for subsurface deposits as flakes and FCR were noted partially buried. Soils are fine tan silts with numerous angular and sandstone gravels.

National Register Assessment: The site is a small campsite with one main concentration of artifacts. Several tools were found on site. The site may have cultural deposition as flakes and FCR were found partially buried. The site has the potential to provide substantive data regarding site spatial patterning, lithic technology, and settlement patterns. The site meets criterion D of the NRHP and is therefore recommended eligible.

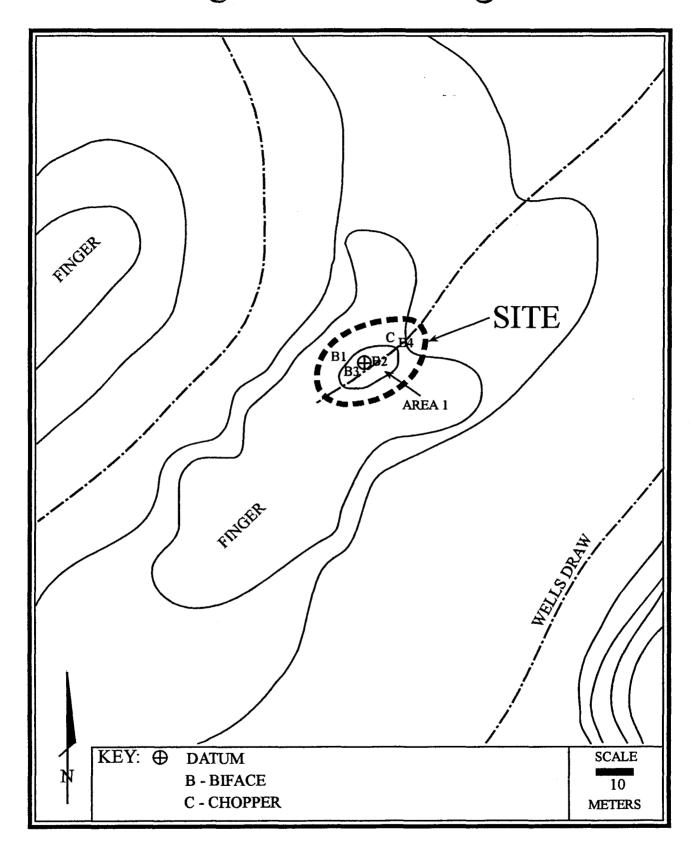


Figure 8. Plan map of site 42DC1247.

Site Number: 42DC1248 Temp Number: IN9-3 Figure Numbers: 4 and 9

Site Type: Campsite

Cultural Affiliation: Unknown Aboriginal

Setting: The site is located on a small bench within Wells Draw.

Description: The site consists of a small campsite located on a small bench within Wells Draw. The site measures 40 by 15 meters and consists of 20-25 flakes and two pieces of FCR. Lithic materials are primarily cherts. Debitage consists of primary and secondary flakes. Two bifaces and a scraper were the only tools noted. No features, debitage concentrations, or diagnostic tools were found. Maximum density of flakes is two per square meter. Soils are tan silts with few sandstone and limestone gravels. No indications of cultural depth was evident in nearby arroyos.

National Register Assessment: The site is a small campsite with few flakes and only two pieces of FCR. Although three tools were noted, none are diagnostic. Eroded areas of the site boundary were inspected for subsurface cultural remains with negative results. There does not appear to be any potential for substantial cultural deposition on eroded ridge. The site will not provide further substantive data regarding lithic technology, chronology, site spatial patterning, or settlement patterns. The site does not meet any of the NRHP criteria and is therefore recommended as **ineligible** for the NRHP.

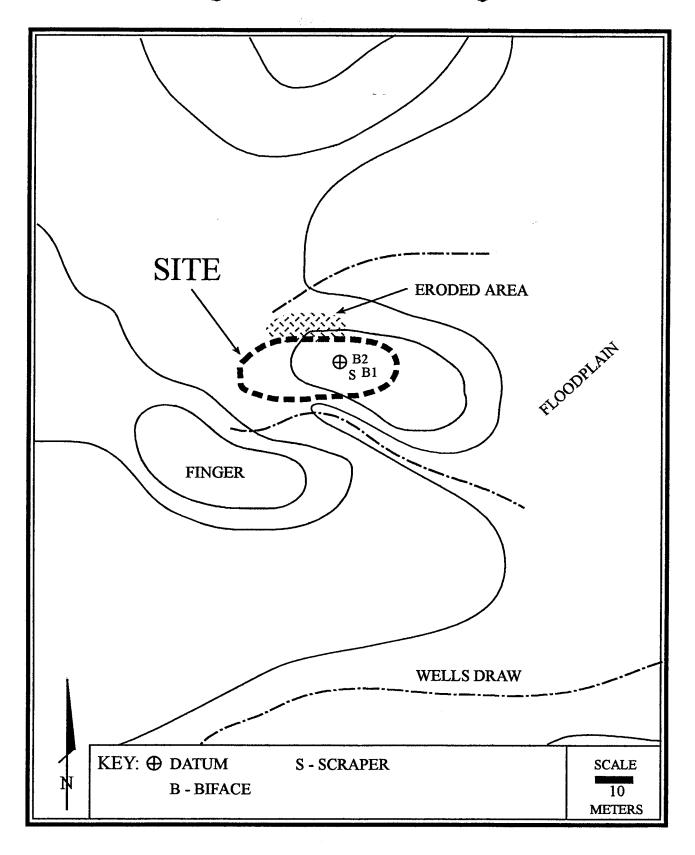


Figure 9. Plan map of site 42DC1248.

Site Number: 42DC1249 Temp Number: IN9-4

Figure Numbers: 6 and 10

Site Type: Campsite

Cultural Affiliation: Unknown Aboriginal

Setting: The site is located on a dune area and desert pavement.

Description: The site is a prehistoric campsite that extends over a 220 by 90 meter area. Tools located on site include a biface of white chert, a white chert biface fragment, and a tan oolitic chert biface fragment. Lithic debitage on site consisted of 10-15 secondary flakes located in the main flake area. This area of the site is located on desert pavement like surfaces. Other scattered debitage consisted of 19 primary flakes of chert, quartzite and oolitic materials; 3 secondary flakes of the same materials; and 1 gray chert core. Also noted in the northeastern portion of the site is a slab lined hearth feature (Feature 1) about 50cm in size. Displaced slabs are found within a two meter area and consists of approximately 19 small sandstone slabs. No cultural material, ash, or firecracked rock was noted in or around the feature. In addition, two other surface manifestations of sandstone pieces are situated on the dune. One of these is comprised of two pieces that are roughly 25cm in size and three pieces approximately 8cm in size. The flake density at the site is two flakes per square meter. No debitage concentrations, or definite fire-cracked rock were found. Soils on site consist of loose sand and semi-compact tan sands in the south and west portions of the site, with desert pavement along the north edge. Two subsurface probes were placed in the areas on top of the dune to identify the presence of cultural stratigraphy or depth within the dune deposit. No cultural depth was found in either of the test probes. Animal burrows were also inspected for cultural material as well as 12-15 anthills that are located throughout the site. No cultural material was located at the burrows or anthills.

National Register Assessment: The site is campsite containing a single slab lined feature, three bifacial tools, and approximately 40 of pieces lithic debitage. The site is largely located on aeolian sand deposits which may contain some isolated materials or features. Two test probes conducted on site suggests no general cultural stratigraphy. Further, the slab lined feature is partially intact and may contain additional data pertaining to chronology or use of the site, lending information to the reconstruction of the cultural history of the region. The site meets the requirements to fulfill Criterion D of the NRHP and is therefore recommended as eligible.

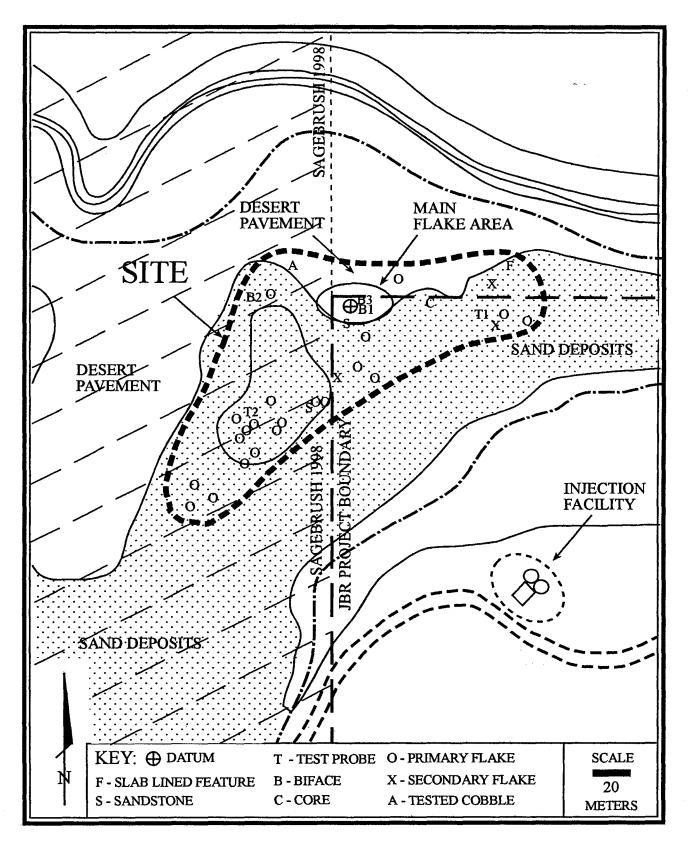


Figure 10. Plan map of site 42DC1249.

Site Number: 42DC1250 Temp Number: IN9-5

Figure Numbers: 6 and 12

Site Type: Lithic Scatter

Cultural Affiliation: Possible Paleoindian

Setting: The site is located on desert pavement between dunes.

Description: The site is a lithic scatter extending over an 80 by 70 meter area on desert pavement.. Cultural material on the site consisted of four projectile points, 22 primary flakes, and 6 secondary flakes (Table 6). Lithic material includes white, tan, brown and gray chert and tan oolitic chert. All artifacts on site were collected for curation. The maximum density of flakes is two per square meter. No debitage concentrations, features, or fire-cracked rock were found. Generally the site debitage is very sparse and no artifact patterning observed. The site is essentially located on desert pavement between dunes.

The tools identified are described as follows: Specimen #10 (Figures 11, 12, 13) appears to be a Paleoindian style point and measures 4.5 x 1.4 x .55 and made of brown chert. The point is morphologically similar to an Angostura point recovered from a Foothill-Mountain site (Frison 1991), albeit smaller in size. Specimen #10 does exhibit oblique flaking scars. However, Frison (1991:78-79) offers some words of caution in assuming lanceolate shape and parallel-oblique flaking are characteristic of Paleoindian alone. "Late Shoshonean knappers were executing this flaking pattern on tools that ... could easily be considered as Late Paleoindian." He goes on to say that "certain sites of Late Prehistoric and Early Historic age in the Snake River Valley...have produced the Wahmuza lanceolate point (Holmer 1986) that has the appearance of a late Paleoindian projectile point with parallel-oblique flaking (Frison 1991:79)." Specimen #3 (Figures 11, 12) maybe similar to points reported as belonging to the Paleo Foothills-Mountain subsistence strategy. The distal portion of the point is missing with the remaining medial and proximal portion of the point measuring 3.3 x 1.7 x .6 cm and made of gray chert. Further, both specimen 3 and 10 are similar to a few select Humboldt Concave Base points identified at Hogup Cave (Aikens 1970). Specimen #1 (Figure 11) measures 8.4 x 3.3 x 1 cm and is made of brown/tan chert. This is point is a large sidenotch point, possibly a Northern Side-notch. Specimen #21 (Figure 11) is an incomplete point missing the distal portion. The point appears to be a possible Elko Series point, possibly an Elko Eared point.

Point identification in the Uinta Basin can be problematic at best due to its location between two differing but appointed point typologies. The Western Plains and Great Basin typologies offer

similar but different characteristics when applying points from a region without an established early point typology.

Three test probes were placed in different dune remnants on site. No general cultural stratigraphy was found in any of the test probes. An inspection of the 6-10 anthills on site was also negative.

National Register Assessment: The site is a small lithic scatter consisting of 27 flakes and four projectile points. Two of the projectile points have been identified as a Paleo style points. While the site consists of wide scatter of flakes, the presence of a Paleo-style points adds significantly to the importance of the site due to the paucity of known Paleo-sites. The site therefore is recommended as eligible for NRHP inclusion.

Table 6. Site 42DC1250 Surface artifact assemblage.

Specimen No.	Artifact	Sp	ecimen No.	Artifact
1 .	Side-notched Point - tan chert	18	3	Crude biface - gray chert
2	Primary flake - tan chert	19)	Secondary flake - white chert
3	Lanceolate point - gray chert	20)	Secondary flake - tan chert
4	Primary flake - gray chert	21		Elko Series - brown chert
5	Secondary flake - tan chert	22		Primary flake - brown chert
6	Secondary flake - tan chert	23		Primary flake - tan chert
7	Primary flake - gray chert	24		Primary flake - gray chert
8	Primary flake - tan chert	25		Primary flake - gray chert
9	Primary flake - tan chert	26	;	Primary flake - gray chert
10	Possible Angostura Point	27	7	Primary flake - gray chert
11	Secondary flake - tan chert	28	}	Primary flake - gray chert
12	Primary flake - tan chert	29)	Primary flake - tan chert
13	Primary flake - gray chert	30)	Primary flake - gray chert
14	Primary flake - tan chert	31		Primcry flake - tan chert
15	Primary flake - gray chert	32	<u> </u>	Primary flake - tan oolitic
16	Secondary flake - tan chert	33	.	Primary flake - tan chert
17	Primary flake - white chert			

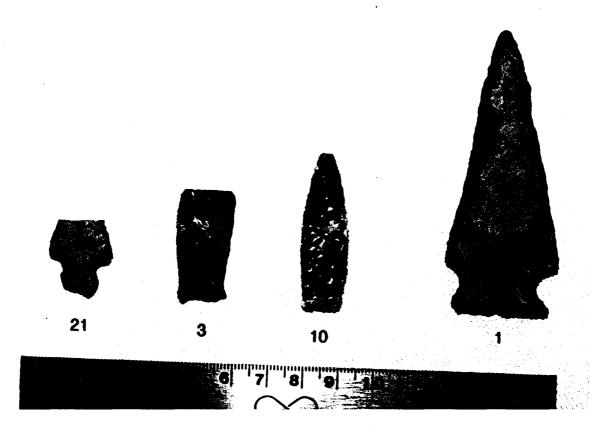


Figure 11. Specimens 21, 3, 10 and 1.

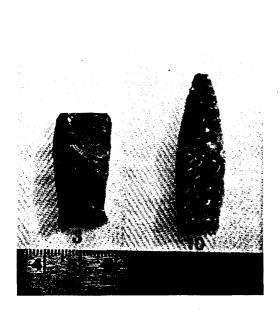


Figure 12. Specimens 3 and 10.



Figure 13. Specimen 10.

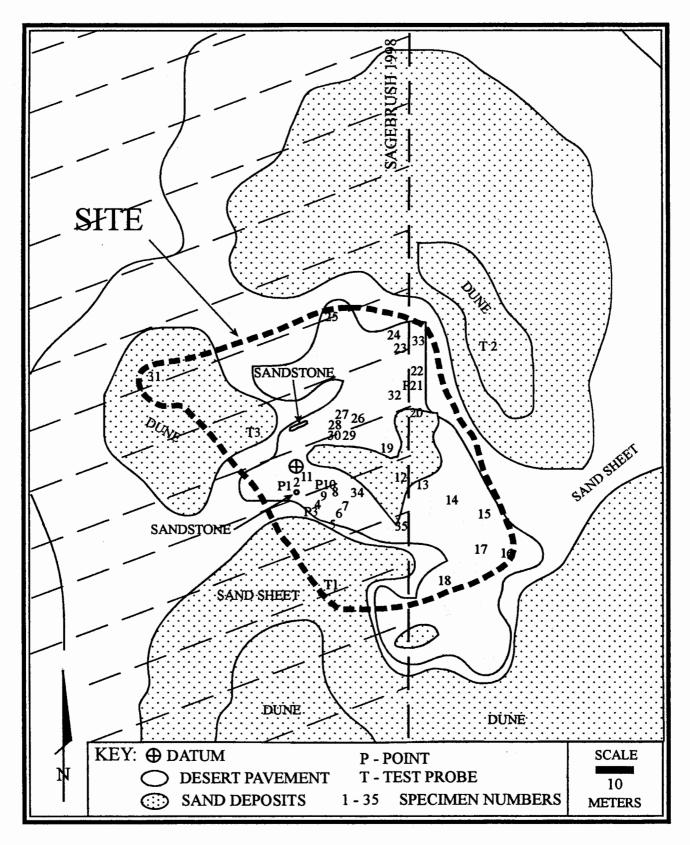


Figure 14. Plan map of site 42DC1250.

Site Number: 42DC1287
Temp Number: 9-32-1
Figure Numbers: 4 and 15

Figure Numbers: 4 and 15

Site Type: Lithic Scatter/Can scatter

Cultural Affiliation: Unknown Aboriginal/Euro-Am

Setting: The site is located just off a small finger ridge on a bench.

Description: The site is a sparse lithic scatter and can scatter that extends over a 54 by 36 meter area. Artifacts on site are comprised of two secondary flakes, one primary flake, one core, three bifaces and a scraper. No diagnostics, debitage concentrations, or features were observed. The historic component is comprised of one "Punch Here" condensed milk can, two tobacco tins, one log cabin syrup can, and one olive oil can. The artifacts were probably dumped from the adjacent dirt road and have been secondarily deposited by alluvial forces. Soils are very rock with some outcrops. potential for subsurface deposits is extremely low. The site is impacted by erosion.

National Register Assessment: The site is an extremely sparse lithic and tool scatter with an historic component represented by several tin cans. The prehistoric tool assemblage is comprised of three bifaces and a scraper. No diagnostics, features, or debris concentrations are associated with the prehistoric component. Soils are very rock and some sandstone outcrops are present. There is an unlikely potential that these soils contain cultural deposits at depth. Given the nature of the site, the sparsity of the lithic debitage, lack of diagnostic tools, concentrations, and features, as well as the lack of potential for subsurface cultural deposits, it does not have the capacity to lend additional information regarding the cultural history of the region.

The site does not meet the requirements of Criteria D of the NRHP and is therefore recommended as **ineligible** for the National Register. The historic component of the site consists of seven cans a wire. No features or structures are associated with the debris. The artifacts date generally between 1935-1945, indicated by a single "Punch Here" milk can (Simonis Type #17). It does not meet any of the NRHP criteria and is recommended **ineligible** for the NRHP.

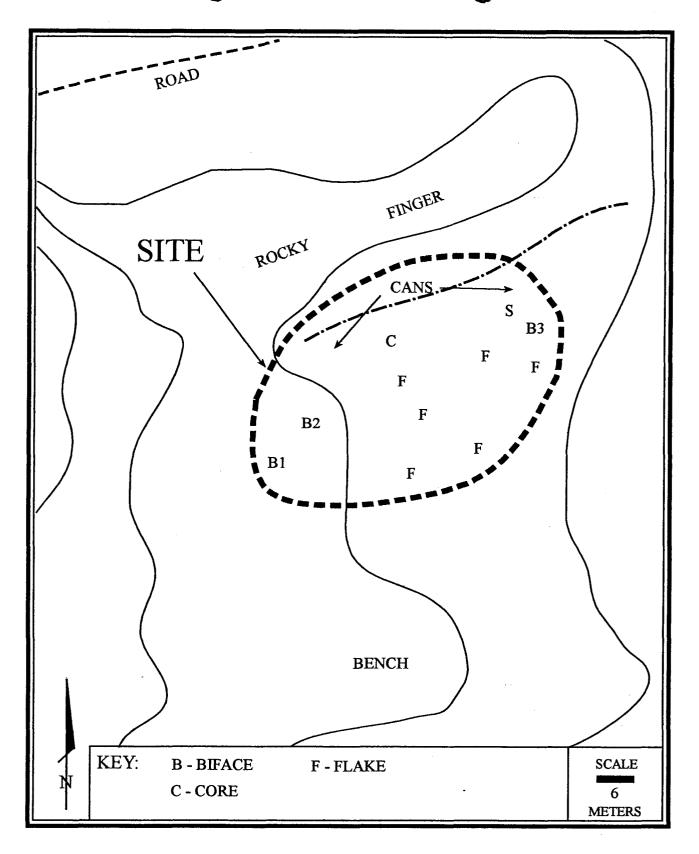


Figure 15. Plan map of site 42DC1287.

Site Number: 42DC1288 Temp Number: 16-32-1

Figure Numbers: 4 and 16

Site Type: Lithic Scatter

Cultural Affiliation: Unknown Aboriginal

Setting: The site is located on narrow finger ridge overlooking Wells Draw.

Description: The site is a lithic scatter that extends over a 50 by 30 meter area. The site consists of approximately 25 flakes of tan oolitic and white cherts and a bifacially reduced, white chert core. The dominant flaking pattern stage represented is secondary. Primary flakes and shatter were also present. No worked tools, debitage concentrations, or fire-cracked rock was found on site. Soils on site consist of orange/tan sand with sandstone outcroppings. Deflation is occurring in the area and there is a light sandsheet above the bedrock. Depositional context is both aeolian and residual. Impact agents include erosion and grazing.

National Register Assessment: The lithic scatter is located on a narrow ridgeline of containing shallow soils with some outcrops. No diagnostic tools were located, artifact concentrations, or features that would suggest subsurface deposits. The site will not provide further substantive data regarding lithic technology, chronology, site spatial patterning, or settlement patterns. The site is recommended as ineligible for NRHP inclusion.

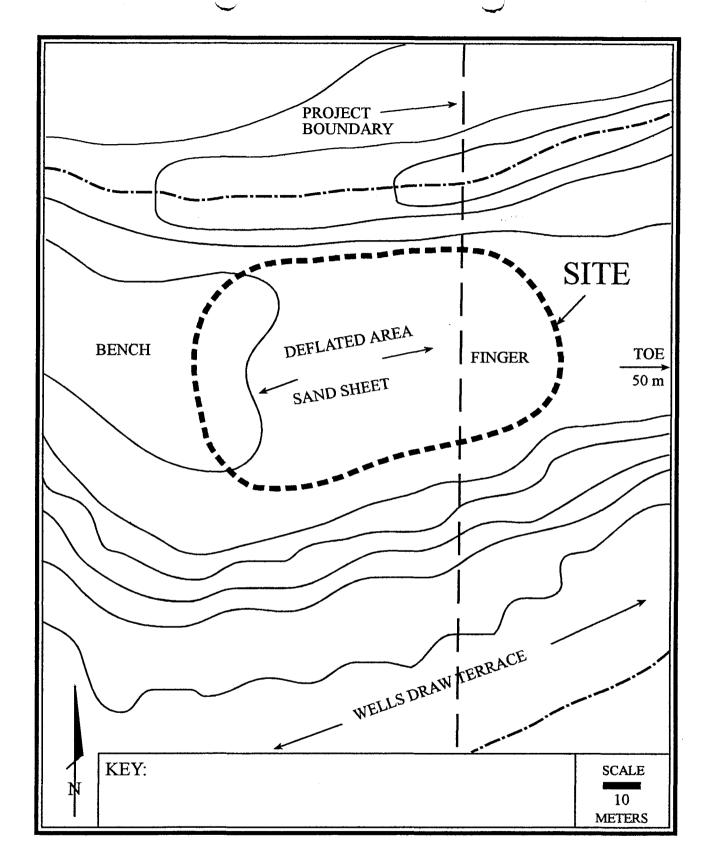


Figure 16. Plan map of site 42DC1288.

Site Number: 42DC1289
Temp Number: 1A-10-1
Figure Numbers: 4 and 17

Site Type: Lithic Scatter/possible campsite

Cultural Affiliation: Unknown Aboriginal

Setting: The site is located between two intermittent drainages in an area of low dunes/sand sheets.

Description: The site is a lithic scatter primarily contained in two loci located in deflated areas. The site extends over a 220 by 160 meter area. Lithic debitage on site consists of two oolitic secondary flakes, three fine-grained gray chert flakes, and 20-60 primary flakes of a gray slate-like material. The possibility exists that some of this debitage is the result of natural forces. The desert pavement areas of the site, where all of this material is located, contains evidence for standing water during certain times of the year. No lithic material was found on the sand deposits. Lithic tools noted on the site include a biface of white chert and a bifacially worked spall knife. Also, five areas of the site contain small sandstone slabs that likely were transported to the site. Currently these sandstone areas appear as surface sandstone manifestations, both on the dunes and desert pavement areas. These areas may have represented hearths, but this is uncertain as the slabs are out of context with no evidence of ashy soils or associated FCR. Sandstone Area 1 consists of six sandstone pieces ranging in size from 10-20cm. The pieces are located in a 1 by 1.5 meter area. Sandstone Area 2 consists of three pieces ranging in size from 10-15cm and aligned in a linear fashion in a 1 meter area. Sandstone Area 3 consists of five sandstone pieces that are 5-10cm in size and are located in a .5 by 1.5 meter area. Areas 1, 2, and 3, are located in sand deposits along the north end of the site. Sandstone Area 4 consists of 2-4 sandstone pieces, of approximately 5-15cm in size, in a 50cm diameter area. Sandstone Area 5 consists of three sandstone pieces ranging in size from 7-24cm. These are found in a 1 by .5 meter area. Sandstone Area 4 is located on desert pavement in Locus 2 while Sandstone Area 5 is located on desert pavement in Locus 1. The lithic material and tools are widely scattered across the site with the majority of the material appearing on the desert pavement in Loci 1 and 2.

National Register Assessment: The lithic scatter is sparse scatter of flakes over two desert pavement loci. Much of the debitage identified on site is from gray slate-like materials. Identified tools present consists of a biface and knife. Also, five sandstone surface manifestations were located on the desert pavement and surrounding dunes. These sandstone locations may have represented cultural features at one time, but none can be identified as such, due to their current very poor condition. Further, no artifacts are associated with them. The overall integrity of the site is poor, and its surface exhibits no known data which will provide further information for chronology, settlement patterns, or technology. Because some potential may exist in the dunes for buried features, is recommended the site be tested. Therefore, the site is recommended as unevaluated.

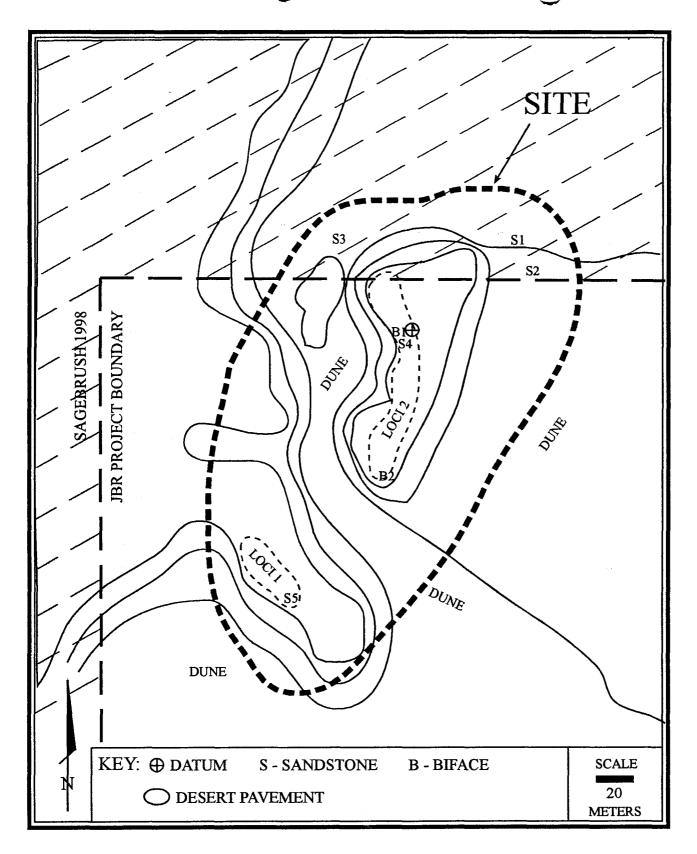


Figure 17. Plan map od site 42DC1289.

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WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVE	D: 02/07/2000	API NO. ASSIGNED: 43-013-31817			
OPERATOR:	WELLS DRAW 16-32-8-16 INLAND PRODUCTION (N5160) JON HOLST	PHONE NUMBER: 303-893-0102			
PROPOSED LC		INSPECT LOCATE	1 BY: /	/	
SESE SURFACE:	32 080S 160E : 0601 FSL 0544 FEL	Tech Review	Initials	Date	
BOTTOM: DUCHESNI	0601 FSL 0544 FEL	Engineering	RSK	3-16-00	
MONUMENT		Geology			
LEASE TYPE:	3-State	Surface			
LEASE NUMBE	R: ML-21836 ER: 3-State RMATION: GRRV				
RECEIVED AND/OR REVIEWED: Plat Bond: Fed[] Ind[] Sta[3] Fee[] (No. RN4471291) N Potash (Y/N) N Oil Shale (Y/N) *190 - 5 (B) Water Permit (No. MUNICIPAL) N RDCC Review (Y/N) (Date:) NA Fee Surf Agreement (Y/N)		R649-2-3. Unit Wells Draw CP R649-3-2. General Siting: R649-3-3. Exception Drilling Unit Board Cause No: Eff Date: Siting: R649-3-11. Directional Drill			
	Nud Presite. (Conducted 3300 S: (D) STATEMENT OF				



Utah Oil Gas and Mining

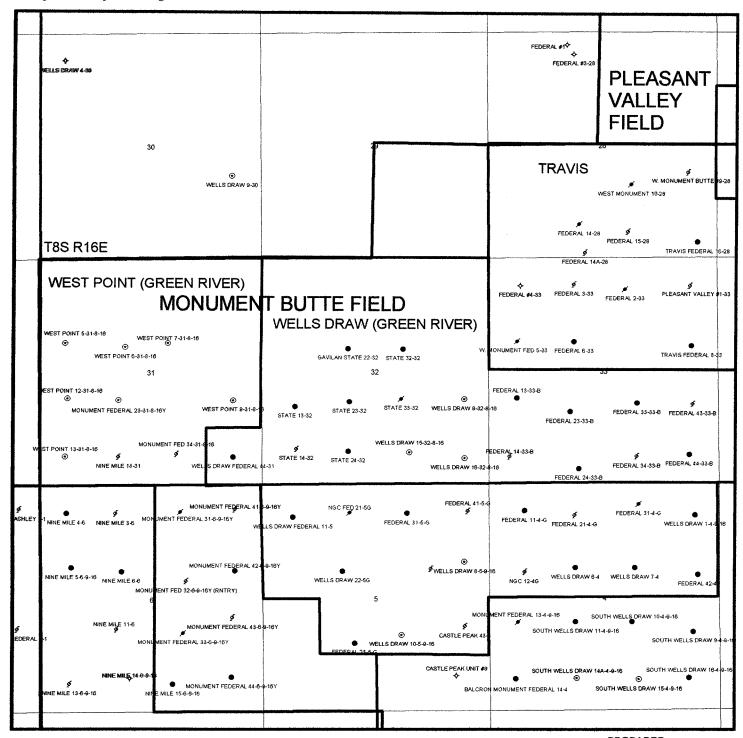
Serving the Industry, Protecting the Environment

OPERATOR: INLAND PRODUCTION CO. (N5160)

FIELD: MONUMENT BUTTE (105)

SEC. 32, T8S, R 16 E

COUNTY: DUCHESNE UNIT: WELLS DRAW



PREPARED DATE: 14-Feb-2000

DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

Operator Name: Inland Production Company
Name & Number: Wells Draw #16-32-8-16
API Number: 43-013-31817
Location: 1/4,1/4 <u>SE/SE</u> Sec. <u>32</u> T. <u>8S</u> R. <u>16E</u>
Geology/Ground Water:
Inland has proposed setting 300 feet of surface casing at this location. A search of records from the Division
of Water Rights shows no water wells within 10,000 feet of the center of section 32. Several surface water
diversions are indicated but are almost a mile from the proposed location. The depth to the moderately saline
water is estimated to be approximately 500 feet. The proposed casing should be adequate to protect ground
water is estimated to be approximately 500 feet. The proposed easing should be adequate to protect ground water at this location.
water at this location.
Reviewer: Brad Hill
Date: 03/15/00
Date
Surface:
Surface.
A presite investigation of the surface was done by the Roosevelt Field Office personnel on March 3, 2000.
State Lands (SITLA) and the Division of Wildlife Resources were both notified regarding the date and time or
this onsite meeting, neither agency attended. The operator has proposed a berm around the entire location. A
secondary wash on northern end of location will requires the operator to round corner #6. Furthermore, the
length from the wellbore to northern staking will need shortened from the original proposed 145' to 135'.
and the first of t
Reviewer: Dennis L. Ingram
Date: March 6, 2000
ALAMANIA OLI MODO

Conditions of Approval/Application for Permit to Drill:

1. A 12 Mil or thicker liner with adequate padding shall be utilized to line the reserve pit to prevent leaching of drilling and completion fluids into ground water.

ON-SITE PREDRILL EVALUATION Division of Oil, Gas and Mining

OPERATOR:Inland Production Company
WELL NAME & NUMBER: Wells Draw #16-32-8-16
API NUMBER: 43-013-31817 LEASE: ML-21836 FIELD/UNIT: Wells Draw Unit
LEASE: ML-21836 FIELD/UNIT: Wells Draw Unit
LOCATION: 1/4,1/4 <u>SE/SE</u> Sec: 32 TWP: 85 RNG: 16E 601.2 FSL 544.1 FEL LEGAL WELL SITING: 460F SEC. LINE; 460F 1/4,1/4 LINE; 920F ANOTHER WELL. GPS COORD (UTM): 12 573718E; 4435743N
SURFACE OWNER: State Lands (SITLA)
PARTICIPANTS Brad Mecham (Inland Production Company); Dennis L. Ingram (DOGM)
Blad Meenam (Intana Produceton Company), Bennib H. Ingram (Book)
REGIONAL/LOCAL SETTING & TOPOGRAPHY Location is set in the northern most part of Wells Draw Wash (bottom) approximately ½ mile east of Wells Draw Road with surface slopes east
and north on hilly surface in desert habitat south of Pleasant Valley.
and north on hirry surface in desert habitat south or Freasant variey.
SURFACE USE PLAN
CURRENT SURFACE USE: Livestock grazing and wildlife
PROPOSED SURFACE DISTURBANCE: Operator has proposed +0.3 miles of Access road in from southwest along wash bed from existing well, with
A location disturbance of 295'x 210' with topsoil stored between corners #1 and #2; pit topsoil stored between corner #3 and A and B.
LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: <u>See attached map from</u> <u>GIS data base</u>
LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production
facilities shall be located on location. Residue and sales gas line
Will run along access road and tie into main system at access entrance
SOURCE OF CONSTRUCTION MATERIAL: Cut and fill or borrowed material
ANCILLARY FACILITIES: None required or proposed by operator
WASTE MANAGEMENT PLAN: Submitted to DOGM with application to drill.
ENVIRONMENTAL PARAMETERS
Chara Christian Character
AFFECTED FLOODPLAINS AND/OR WETLANDS: No wetlands involvement. Well is located on north side of wash and could see high water if a flash Flood occurred.
FLORA/FAUNA: Desert flora typical of region, shadscale, prickly-pear cactus, greasewood, native grasses, Fauna also typical, antelope, deer, cougar, coyote, fox, raccoon, rabbit, birds of prey, other small birds mammals, and insects.
SOIL TYPE AND CHARACTERISTICS: Tan to light brown fine-grained sandy

SURFACE FORMATION & CHARACTERISTICS: <u>Uinta Formation of the Upper</u>
<u>Eocene age.</u>

EROSION/SEDIMENTATION/STABILITY: <u>Active erosion present on slopes</u>, <u>Minor sedimentation</u>, no stability problems anticipated with construction of location.

PALEONTOLOGICAL POTENTIAL: None observed during presite visit.

RESERVE PIT

CHARACTERISTICS: In cut on northwest side of location and downwind of Prevailing winds measuring 40'x 90'x 8' deep.

LINER REQUIREMENTS (Site Ranking Form attached): 30 points. A synthetic liner will be required.

SURFACE RESTORATION/RECLAMATION PLAN

OTHER OBSERVATIONS/COMMENTS

According to State Lands or SITLA stipulations at time of reclamation

SURFACE AGREEMENT: Yes

CULTURAL RESOURCES/ARCHAEOLOGY: Submitted to DOGM with application to drill

Active secondary wash around northern portion of location. Operator will shorten location from 145' to 135' and round corner #6 to stay out of wash. Also found a ½" plastic PVC pipe stuck in ground with the following information: JBR N-9-3 6/24/99 (photos were taken).

ATTACHMENTS:

photos of location and PVC pipe with name tag.

Dennis L. Ingram
DOGM REPRESENTATIVE

03/03/00 10:15 am DATE/TIME

Evaluation Ranking Criteria and Ranking For Reserve and Onsite Pit Liner Requirements

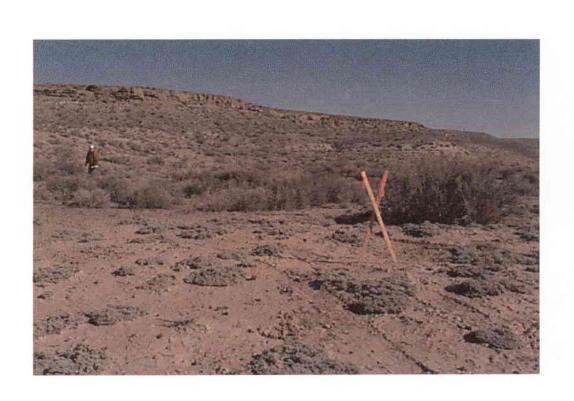
Site-Specific Factors		Ranking	Site Ranking
Distance to Groundwater (feet) >200 100 to 200 75 to 100 25 to 75 <25 or recharge area	0 5 10 15 20		15
Distance to Surf. Water (feet) >1000 300 to 1000 200 to 300 100 to 200 < 100	0 2 10 15 20		0
Distance to Nearest Municipal Well >5280 1320 to 5280 500 to 1320 <500	(feet) 0 5 10 15		0
Distance to Other Wells (feet) >1320 300 to 1320 <300	0 10 20		0
Native Soil Type Low permeability Mod. permeability High permeability	0 10 20		10
Fluid Type Air/mist Fresh Water TDS >5000 and <10000 TDS >10000 or Oil Base Mud Fluid containing high levels of hazardous constituen	0 5 15 20		5
Drill Cuttings Normal Rock Salt or detrimental	0 10		0
Annual Precipitation (inches) <10 10 to 20 >20	0 5 10		0
Affected Populations <10 10 to 30 30 to 50 >50	0 6 8 10		0
Presence of Nearby Utility Conduits Not Present Unknown Present	0 10 15		0
Final Score (Level II Sensitivity)			30 points











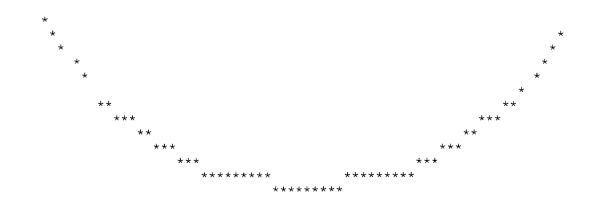


UTAH DIVISION OF WATER RIGHTS WATER RIGHT POINT OF DIVERSION PLOT CREATED WED, MAR 15, 2000, 11:04 AM PLOT SHOWS LOCATION OF 11 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT FEET, FEET OF THE CT CORNER, SECTION 32 TOWNSHIP 8S RANGE 16E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET

NORTH 5 8



UTAH DIVISION OF WATER RIGHTS NWPLAT POINT OF DIVERSION LOCATION PROGRAM

MAP	WATER	QUA	NTITY	SOURCE	DESCRIPTION	or WELL IN	FO POI	NT OF D	IVERSION DE	ESCRIP'	rion
CHAR	RIGHT	CFS AN	D/OR AC-FT	DIAMETE	R DEPTH	YEAR LOG	NORTH	EAST	CNR SEC	TWN	RNG B&M
0	47 1572	.0000 WATER USE(S): S	·	Unnamed	Stream				PRIORITY	DATE:	00/00/188
		USA Bureau of L	and Management		170 Sout	h 500 East			Verna.	L ·	(
1	47 1588	.0000 WATER USE(S): S USA Bureau of L				h 500 East			PRIORITY Vernal		00/00/188
2	47 1590	.0000 WATER USE(S): S USA Bureau of L	TOCKWATERING	Wells Dr		h 500 East			PRIORITY Vernai		00/00/188
3	47 1802	1.3000 WATER USE(S): O PG & E Resource PG & E Resource	THER s Company	Green Ri	410 17th	ground Wate Street, Su enville Ave	ite 700			r	16E SL 04/23/199

4	47 1587 .0000 WATER USE(S):	STOCKWATERING		PRIORITY DATE: 00/00/188
	USA Bureau of	Land Management	170 South 500 East	Vernal
5	47 1305 .0000 WATER USE(S):	.00 STOCKWATERING	Wells Canyon Creek	PRIORITY DATE: 00/00/188
	USA Bureau of	Land Management	2370 South 2300 West	Salt Lake City
6	47 1495 .0000 WATER USE(S):	.00 STOCKWATERING	Pleasant Valley Wash	PRIORITY DATE: 00/00/188
			utional Tru 675 East 500 South, 5th Floor	Salt Lake City
7	47 1496 .0000			• · · · · · · · · · · · · · · · · · · ·
	WATER USE(S):	STOCKWATERING	utional Tru 675 East 500 South, 5th Floor	PRIORITY DATE: 00/00/188 Salt Lake City
				-
7	WATER USE(S):	STOCKWATERING	Wells Draw utional Tru 675 East 500 South, 5th Floor	PRIORITY DATE: 00/00/188 Salt Lake City
	, scale of cean	J 0110 0 1 W 1111 0 1 U	actorial fix 676 habe 500 boach, 5ch ficol	bare bake city
8	47 1304 .0000 WATER USE(S):	.00 STOCKWATERING	Wells Canyon Creek	PRIORITY DATE: 00/00/188
	USA Bureau of	Land Management	2370 South 2300 West	Salt Lake City
0	47 1200 0000	00		
9		STOCKWATERING	Pleasant Valley Creek	PRIORITY DATE: 00/00/188
			2370 South 2300 West	Salt Lake City

Well name:

3-00 Inland WDU #16-32-8-16

Operator:

Inland

String type: Surface

Design parameters:

Project ID:

43-013-31817

Location:

Duchesne Co.

Minimum design factors: **Environment:**

Collapse

Mud weight: 8.400 ppg Design is based on evacuated pipe.

Collapse: Design factor

1.125

H2S considered? Surface temperature:

No 75 °F

Bottom hole temperature: Temperature gradient:

79 °F 1.40 °F/100ft

Minimum section length:

300 ft

Burst:

Design factor

1.00

1.80 (J) 1.80 (J)

1.60 (J)

Cement top:

1 ft

Burst

Max anticipated surface

pressure:

Internal gradient: 9.018 psi/ft Calculated BHP 131 psi

-2.574 psi

No backup mud specified.

Tension:

8 Round STC:

8 Round LTC: **Buttress:**

Premium:

1.50 (J) 1.50 (B) Body yield:

Tension is based on buoyed weight. Neutral point: 262 ft

Re subsequent strings:

Non-directional string.

Next setting depth: Next mud weight:

300 ft 8.400 ppg 131 psi

Next setting BHP: Fracture mud wt: Fracture depth: Injection pressure

19.250 ppg 300 ft 300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	14.4
Run Seq	Collapse Load (psi) 131	Collapse Strength (psi) 1370	Collapse Design Factor 10.47	Burst Load (psi) 131	Burst Strength (psi) 2950	Burst Design Factor 22.54	Tension Load (Kips) 6	Tension Strength (Kips) 244	Tension Design Factor 38.79 J

RJK Prepared

Utah Dept. of Natural Resources

Date: March 16,2000 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 300 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. In addition, burst strength is biaxially adjusted for tension.

Well name:

3-00 Inland WDU #16-32-8-16

Operator:

Inland

Production String type:

Location:

Duchesne Co.

Project ID: 43-013-31817

Environment:

Design parameters:

<u>Collapse</u>

Mud weight:

8.330 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse: Design factor

1.125

H2S considered?

Surface temperature:

No 75 °F

Bottom hole temperature: Temperature gradient:

Non-directional string.

166 °F 1.40 °F/100ft

Minimum section length:

300 ft

Burst:

Design factor

1.00

Cement top:

1 ft

Burst

Max anticipated surface

No backup mud specified.

pressure:

0 psi

Internal gradient: Calculated BHP

0.433 psi/ft

2,813 psi

8 Round STC: 8 Round LTC:

Buttress:

Tension:

Premium:

Body yield:

1.60 (J) 1.50 (J) 1.50 (B)

1.80 (J)

1.80 (J)

Tension is based on buoyed weight. 5,681 ft Neutral point:

Run	Segment		Nominal		End	True Vert	Measured	Drift	Internal
Seq	Length (ft)	Size (in)	Weight (lbs/ft)	Grade	Finish	Depth (ft)	Depth (ft)	Diameter (in)	Capacity (ft³)
1	6500	5.5	15.50	J-55	LT&C	6500	6500	4.825	203.8
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load (psi)	Strength (psi)	Design Factor	Load (psi)	Strength (psi)	Design Factor	Load (Kips)	Strength (Kips)	Design Factor
1	2813	4040	1.44	2813	4812	1.71	88	217	2.46 J

RJK Prepared

by: Utah Dept. of Natural Resources

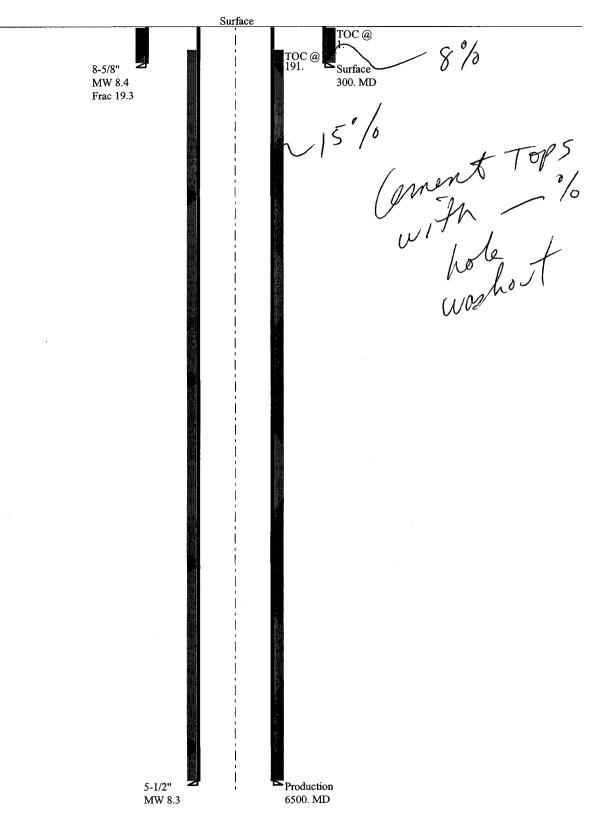
Date: March 16,2000 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension. Collapse is based on a vertical depth of 6500 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes. In addition, burst strength is biaxially adjusted for tension.

→ 3-00 Inland WDU #16-32- 6

Casing Schematic



Michael O. Leavitt Governor Kathleen Clarke Executive Director Lowell P. Braxton Division Director 1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Utah 84114-5801 801-538-5340 801-359-3940 (Fax) 801-538-7223 (TDD)

March 16, 2000

Inland Production Company 410 17th Street, Suite 700 Denver, CO 80202

Re:

Wells Draw 16-32-8-16 Well, 601' FSL, 544' FEL, SE SE, Sec. 32, T. 8S, R. 16E,

Duchesne Co., Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31817.

Sincerely,

John R. Baza

Associate Director

al

Enclosures

cc:

Duchesne County Assessor

Utah School and Institutional Trust Lands Administration

Bureau of Land Management, Vernal

Operator:	Inland Production Co							
Well Name & Number: _	Wells Draw 16-3	32-8-16						
API Number:	43-013-31817							
Lease:	ML-21836							
Location: <u>SE SE</u>	Sec. <u>32</u>	T. <u>8S</u>	R. 16E					

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
 - prior to commencing operations to plug and abandon the well

Division contacts (please leave a voice mail message if person is not available to take the call):

- Dan Jarvis at (801)538-5338
- Robert Krueger at (801)538-5274 (plugging)
- Carol Daniels at (801)538-5284 (spud)

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

STATE OF UTAH DEVISION OF OIL, GAS AND MINING **ENTITY ACTION FORM - FORM 6**

CURRENT

ENTITY NO

99999

OPERATOR.	INLAND PRODUCTION COMPANY
ADDRESS	RT. 3 BOX 3639

MYTCH, UT 84052

ADEAL COL	. ^	175:30
OPERATOR ACCT	NU	14.3 4.357

THE LANCE	WELL 1004Y0V					\$100	EFFECTIVE
	CO	<u>sc</u>	7P	RG	ארנטס	DATE	DATE
Wells Draw 16-32-8-15	SESE	32	88	16E	Duchosne	April 14, 2000	April 1, 1994

WELL I COMMENTS Union rig #14 spud at 12:30 pm

NEW

EITHY NO.

12276

APINUTER

43-013-31817

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ACTION	CURRENT	ጎE3Y	AP KUMBER	Well NAVE		WELL LOCATION				SFJIO	EFFECTIVE
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WELL 2 COMPERTS

ACTION!

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WELL S CONVENTS

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WELL 4 CONVENTS

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WELL S COMPENTS

ACTION CODES (See instructions on back of form)

- A Establish new entry for new well (single well only)
- (itsw lifts to query) yithe galaxies of ten went bit 6
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Coner (explain in comments section)

Sr. Production Accounting Clerk

April 17, 2000

Trile

L7:e

NOTE Lists CC/M/ENT section to explain why each Action Code was selected

646

3031

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APR-17-00 MON 12:00 PM



April 17, 2000

State of Utah
Division of Oil, Gas & Mining
Attn: Carol Daniels
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Carol:

Please find enclosed Form 5, for the Wells Draw 16-32-9-16. If you have any questions feel free to call me @ 435-823-7468 cell, or 435-646-3721 office any time.

Sincerely,

PAT WISENER
Drilling Foreman

Enclosures

pw

APR 18 2000

OIL, GAS AND MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DIVISIO	N OF OIL, GAS, AND MINING		5. LEASE DESIGNATION AND SERIAL ML - 21	
1. SUNDRY NO	TICES AND REPORTS C	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBAL N	
•	oposals to drill or to deepen or plug back to a diff	ferent reservoir.	N/A	
OIL GAS GAS WELL OTHER			7. UNIT AGREEMENT NAME Wells Draw	w Unit
2. NAME OF OPERATOR INLAND PRODUCT	TION COMPANY		8. FARM OR LEASE NAME Wells D	raw
3. ADDRESS OF OPERATOR Route 3, Box 3630 (435) 646-3721	Myton, Utah 84052		9. #16-32-4	8-16
	tion clearly and in accordance with any State rec	quirements.*	10 FIELD AND POOL, OR WILDCAT Monument	t Butte
			11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 32, T8s	, R16E
14 API NUMBER 43-013-31817	15. ELEVATIONS (Show whether DF, RT, G 5663 GR	iR, etc.)	12 COUNTY OR PARISH Duchesne	13 STATE UT
16. Check App NOTICE OF INTEN	propriate Box To Indicate Nature of Noti TION TO:	, · · · · · · · · · · · · · · · · · · ·	UENT REPORT OF:	<u> </u>
TEST WATER SHUT-OFF PUL	L OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL	
FRACTURE TREAT MUI	LTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING	
SHOOT OR ACIDIZE. ABA	ANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*	
REPAIR WELL		(OTHER) Surface Spuc	·	X
(OTHER)			lts of multiple completion on Well completion Report and Log form.)	
	LETED OPERATIONS. (Clearly state all pertinally drilled, give subsurface locations and measurage.)			•
Drill 17 1/4" hole and depth of 342'. TIH w 2% CaCL2 & 1/4#/sk w/ 2% CaCL2 & 1/4# cement to surfaceon s Choke manifold, & FDOGM & Vernal Di		Nipple up cellar. Dri d @ 312.87 w/KB. Copg.>1.17 YLD. Ceme 8ppg.>1.17 YLD. Do k out & Nipple up B " CSG. TO 1500 PSI.	Il 12 1/4" hole with air in Cement with *141sks clant fell away. RU & Purnwin 1" pipe @ 100'. Estin OP's. Pressure test Kell ALL TESTED GOOD ith water mist to a deptil	mist to a ass "G" w/ up 50 sks "G" mated 2 bbls ly, TIW, Utah
SIGNED SIGNED	Sere TITLE	Dinning Potential	DATE	V-7/1/2000
(This space for Federal or State office use APPROVED BY CONDITIONS OF APPROVAL, IF ANY	TITLE		DATE	

* See Instructions On Reverse Side

RECEIVED

APR 18 2000

DIVISION OF OIL, GAS AND MINING

INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

		· 	8 5/8"	CASING SET	AT	312.87			
LAST CASIN	N G	SET	AT		OPERATOR	₹	INLAND P	RODUCTIO	ON COMPANY
DATUM	10' KB				WELL		Wells Draw	16-32-8-16	
DATUM TO	CUT OFF C	ASING				SPECT			
DATUM TO	BRADENHE	- AD FLANGE	:		CONTRACT	 OR & RIG #	UNION F	RIG 14	
TD DRILLER	342'	LOGG	ER						•
HOLE SIZE	12 1/4"					•			
								• .	
LOG OF CA	SING STRIN	IG:							
PIECES	OD	ITEM -	MAKE - DESC	RIPTION	WT/FT	GRD	THREAD	CONDT	LENGTH
		LANDING J	IT						12.4
		ļ	·						
		WHI " 92 " (CSG HEAD				8rd	Α	0.95
7	8 5/8"	Maverick S			24 #	J-55	8rd	Α	301.02
	<u></u>	SHOE -	GUIDE	······	<u>-</u> -		8rd	Α	0.9
CASING INV	CASING INVENTORY BAL. FEE TOTAL LENGTH OF STRING 3			JTS	TOTAL LEN	IGTH OF STE	RING		315.2
TOTAL LEN	TOTAL LENGTH OF STRING			77	LESS CUT	OFF PIECE			12.4
LESS NON	LESS NON CSG. ITEMS		14.25		PLUS DATU	JM TO T/CUT	OFF CSG		10
PLUS FULL	JTS. LEFT (DUT	0	0	CASING SE	T DEPTH			312.87
	TOTAL		301.02	7	ì				
TOTAL CSG	. DEL. (W/O	THRDS)	301.02	7	COMPAR	RE			
TIMING			1ST STAGE		!				
BEGIN RUN	CSG.		10:00pm		GOOD CIRC	CTHRU JOB		NO	
CSG. IN HO	LE		11:00pm		Bbls CMT C	IRC TO SUR	FACE	2 BBLS-stg	ı #2 .
BEGIN CIRC	<u> </u>		11:11pm		RECIPROC	ATED PIPE F	OR	_THRU _	FT STROKE
BEGIN PUM	P CMT		11:22pm	12:15am	DID BACK F	RES. VALVE	HOLD?	N/A	
BEGIN DSPI	L. CMT		11:35pm		BUMPED PI	LUG TO		8	8 PSI
PLUG DOW	<u>N</u>	, 	11:45pm	12:22am					
CEMENT US	SED			CEMENT CO	/IPANY-	BJ			····
STAGE	# SX			CEMENT TYP	E & ADDITIN	/ES) TI
11	141	Class "G" w	/ 2% CaCL2 +	1/4#/sk Cello-F	lake mixed (2) 15.8 ppg 1.	17 cf/sk yiel		m b m
2	2 50 Class "G" w/ 2% CaCL2 mixed @ 15.8 ppg 1.17 cf/sk yield pumped dn 1" pipe.								
	<u> </u>	<u> </u>							- M
CENTRALIZ	ER & SCRA	TCHER PLAC	CEMENT			SHOW MAK	E & SPACIN	ig t	52 % Z
1 on middle	of first JT,	1 on collar	of the second	& third JT. TO	TAL 3				
· · · · · · · · · · · · · · · · · · ·			- · · · · · · · · · · · · · · · · · · ·						
1	• .								

DATE _____4/15/00

COMPANY REPRESENTATIVE Gary Dietz



April 24, 2000

State of Utah
Division of Oil, Gas & Mining
Attn: Carol Daniels
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Carol:

Please find enclosed Form 5, for the Wells Draw 16-32-8-16. If you have any questions feel free to call me @ 435-823-7468 cell, or 435-646-3721 office any time.

Sincerely,

PAT WISENER
Drilling Foreman

Enclosures

pw

RECEIVED

APR 2 5 2000

DIVISION OF OIL, GAS AND MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DEPARTMENT OF NATURAL RESOURCES			
DIVISION OF OIL, GAS, AND MINING		5. LEASE DESIGNATION AND SERI	al no. 21836
SUNDRY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBA	L NAME
(Do not use this form for proposals to drill or to deepen or plug back to a d Use "APPLICATION FOR PERMIT" for such proposals.)		}	/ A
		7. UNIT AGREEMENT NAME	
OIL GAS WELL X WELL OTHER		Wells Di	raw Unit
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		8. FARM OR LEASE NAME Wells	Draw
3. ADDRESS OF OPERATOR Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721		9. #16-3	2-8-16
4. LOCATION OF WELL (Report location clearly and in accordance with any State	requirements.*	10 FIELD AND POOL, OR WILDCAT	
See also space 17 below.) At surface		Monum	ent Butte
601.2'FSL & 544.1' FEL SE/SE			
		11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
		Sec 32, 7	8s, R16E
14 API NUMBER 43-013-31817 15. ELEVATIONS (Show whether DF, RT, 5663 GR)	GR, etc.)	12 COUNTY OR PARISH - Duchesne	13 STATE UT
16. Check Appropriate Box To Indicate Nature of No.	orice Penart or Other Data		
16. Check Appropriate Box To Indicate Nature of No NOTICE OF INTENTION TO:	1 1	QUENT REPORT OF:	
TEST WATER SHUT-OFF PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL	
FRACTURE TREAT MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING	
SHOOT OR ACIDIZE ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*	
REPAIR WELL	(OTHER) Weekly Sta	tus	X
(OTHER)	1	ults of multiple completion on Well	
17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all per proposed work. If well is directionally drilled, give subsurface locations and meaning the subsurface of the subsurface	• • •		•
Drill 7 7/8" hole with water mist to a depth of 3800'. TOF 7/8" hole with water based mud to a depth of 5960'. TD @ hole log. PU & MU 5 1/2" float shoe, 140 jt's 5 1/2" 15.54 10% GEL. & 3% KCL mixed @ 11.0ppg>3.43YLD. *400 Good circulation & returns with 15 bbls dye to surface. Pl Nipple down BOP's. Drop slips with 82,000#. Release rig WOC) 10:45am on 4/20/00. C & # J-55 csg. set @ 5941.54 } ! sks 50/50 POZ w/ 2% GE ug down @ 4:42am on 4/2	t C hole lay down drill stri KB. Cement with *265 sks L. & 3% KCL mixed @ 1	ng, BHA. Open s Prem Lite 11 w/
18 I hereby certify that the foregoing is true and correct SIGNED TITLE	Drilling Foreman	DATE	04/24/2000
SIGNED fort WI Sent TITLE	Diming Foreinan	DAIE	V-1/2-1/2000
(This space for Federal or State office use)			
APPROVED BY TITLE		DATE	

* See Instructions On Reverse Side

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

APR 2 5 2000

DIVISION OF OIL, GAS AND MINING

INLAND PRODUC N COMPANY - CASING & CEME REPORT

			5 1/2"	CASING SET	AT	5941.54			
LAST CASIN	NG 8 5/8"	SET /	AT 312.87		OPERATOR	t	INLAND P	RODUCTION	I COMPANY
DATUM	10' KB	•			WELL		Wells Draw	16-32-8-16	
DATUM TO	CUT OFF C	ASING	···	· · · · · · · · · · · · · · · · · · ·		SPECT			
DATUM TO	BRADENHE	- AD FLANGE			CONTRACT	OR & RIG #	UNION F	RIG 14	
TD DRILLER	5960	LOGG	ER 5971	 ,					
HOLE SIZE	7 7/8"								
				-					
LOG OF CA	SING STRIN	lG:							
PIECES	OD	ITEM -	MAKE - DESCI	RIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		LANDING J	Τ						12.4
140	5 1/2"	Maverick L	T&C CSG		15.5	J-55	8rd	Α	5930.54
		SHOE -	Float /Gui	de			8rd	Α	1.0
CASING IN	/ENTORY B	AL	FEET	JTS	TOTAL LEN	GTH OF STE	RING		5943.94
TOTAL LENGTH OF STRING		5943.94	140	LESS CUT	OFF PIECE			12.4	
LESS NON CSG. ITEMS		13.4		PLUS DATU	IM TO T/CUT	OFF CSG		10	
PLUS FULL JTS. LEFT OUT		76.87	2	CASING SE	T DEPTH			5941.54	
	TOTAL		6007.41	142]]				
TOTAL CSG	6. DEL. (W/O	THRDS)	6007.41	142	COMPAF	RE .			
TIMING			1ST STAGE	2nd STAGE					
BEGIN RUN	CSG.		10:45		GOOD CIRC	THRU JOB		yes	
CSG. IN HO	LE				Bbls CMT C	IRC TO SUR	FACE		
BEGIN CIRC					RECIPROCA	ATED PIPE F	OR 1 <u>5 mins</u>	_THRU 6'_	FT STROKE
BEGIN PUM	IP CMT				DID BACK F	PRES. VALVE	HOLD?	yes	
BEGIN DSP	L. CMT				BUMPED PI	_UG TO	· 		PSI
PLUG DOW	N								
CEMENT US	SED			CEMENT CO	MPANY-	BJ			
STAGE	# SX		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	CEMENT TYP	E & ADDITIV	/ES		<u>`</u>	<u> </u>
1	265	Prem Lite II	w/ 10% GEL &	3% KCL mixed	to 11.0 ppg	> 3.43 YLD		GAS	A III
2 400 50/50 POZ w/ 2% GEL & 3% KCL mixed to 14.					to 14.4 ppg >	1.24 YLD		S S	
		<u></u>						S AND	<u> </u>
CENTRALIZ	ER					SHOW MAK	E & SPACIN	g ≦ 9	
1 on middle	of first JT,	1 on collar o	of the second	& third JT. Th	en every 3r	d collar for a	total of 20	G M OF NING	
								ଦ	0
		. ———							
			" " " " " " " " " " " " " " " " " " "						

DATE <u>04/21/2000</u>

COMPANY REPRESENTATIVE Pat Wisener



May 15, 2000

State of Utah
Division of Oil, Gas & Mining
Attn: Carol Daniels
1594 West North Temple-Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Carol;

Please find enclosed Form 5, for the Wells Draw State 16-32-8-16. If you have any questions please call me at 435-823-4211 (CELL) or 435-646-3721 (OFFICE) any time.

 \mathcal{L}_{a}

Gary Dietz

Completion Foreman

Enclosures

gd

RECEIVED

MAY 1 6 2000

DIVISION OF OIL, GAS AND MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

NING	5. LEASE DESIGNATION AND SERIAL ML - 21	
PORTS ON WELLS		
plug back to a different reservoir.	N/A	
	7. UNIT AGREEMENT NAME	
	Wells Drav	v Unit
	8. FARM OR LEASE NAME Wells Draw	w Unit
2	9. # 16-32-	8-16
with any State requirements *	10 FIELD AND POOL OR WILDCAT	
A anna and an anna		Dutto
	11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
rhether DF, RT, GR, etc.)	12 COUNTY OR PARISH	13 STATE
	Duchesne	UT
WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING	REPAIRING WELL ALTERING CASING ABANDONMENT*	
cations and measured and true vertical depths for all $14/00$.		
olugs.		
	DATE	5/15/00
olugs.	DATE	,
	plug back to a different reservoir. proposals.) 2 with any State requirements.* whether DF, RT, GR, etc.) 663¹ GR Nature of Notice, Report, or Other Data SUBS WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING (OTHER) Weekly St (Note: Report re Completion or learly state all pertinent details, and give pertinent data cations and measured and true vertical depths for all 1/14/00.	PORTS ON WELLS 6. IF INDIAN, ALLOTTEE OR TRIBAL N Plug back to a different reservoir. Proposals.) 7. UNIT AGREEMENT NAME Wells Drav 8. FARM OR LEASE NAME Wells Drav 9. # 16-32-4 with any State requirements.* 10 FIELD AND POOL, OR WILDCAT Monument 11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 32, T8s Phether DF, RT, GR, etc.) 12 COUNTY OR PARISH Duchesne 13 Nature of Notice, Report, or Other Data SUBSEQUENT REPORT OF: WATER SHUT-OFF REPAIRING WELL FRACTURE TREATMENT SHOOTING OR ACIDIZING ABANDONMENT* (OTHER) Weekly Status (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) Party state all pertinent details, and give pertinent dates, including estimated date of starting any cations and measured and true vertical depths for all markers and zones pertinent to this work. Markers 14/14/00.

* See Instructions On Reverse Side

RECEIVED

MAY 1 6 2000



May 22, 2000

State of Utah Division of Oil, Gas & Mining Attn: Carol Daniels 1594 West North Temple-Suite 1210 P. O. Box 145801 Salt Lake City, Utah 84114-5801

Dear Carol;

Please find enclosed Form 5, for the Wells Draw State 16-32-8-16. If you have any questions please call me at 435-823-4211 (CELL) or 435-646-3721 (OFFICE) any time.

Sincere

Completion Foreman

Enclosures

gd

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MAY 2 3 2000

DIVISION OF OIL, GAS AND MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCE

	SION OF OIL, GAS, AND MINING		5. LEASE DESIGNATION AND SERIAL	, NO.					
Diva	7011 01 012, 012, 1112 11111111		ML - 21836						
SUNDRY	NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBAL	NAME					
· ·	or proposals to drill or to deepen or plug back to a	a different reservoir.	· N/A						
			7. UNIT AGREEMENT NAME						
OIL GAS WELL OTHER			Wells Dra	w Unit					
NAME OF OPERATOR INLAND PRODU	UCTION COMPANY		8. FARM OR LEASE NAME Wells Dra	w Unit					
ADDRESS OF OPERATOR Route 3, Box 36 (435) 646-3721	630 Myton, Utah 84052		9. # 16-32	-8-16					
LOCATION OF WELL (Repor	t location clearly and in accordance with any Sta	te requirements.*	10 FIELD AND POOL, OR WILDCAT						
See also space 17 below.) At surface 601.2' FSL & 544.1	ı' fel se/se		Monumer	nt Butte					
001.2 FSL & 544.3	FEL SEISE		SURVEY OR AREA Sec 32, T8	s, R16E					
API NUMBER 43-013-31817	15. ELEVATIONS (Show whether DF, R 5663' GR	RT, GR, etc.)	12 COUNTY OR PARISH Duchesne	13 STATE UT					
	Appropriate Box To Indicate Nature of ITENTION TO:	1 1 1	QUENT REPORT OF:						
NOTICE OF IN	TENTION TO:	300360	QUENT REPORT OF:	_					
EST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL						
RACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING						
HOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*						
EPAIR WELL		(OTHER) Weekly Sta	tus	X					
OTHER)			uits of multiple completion on Well ecompletion Report and Log form.)						
	OMPLETED OPERATIONS. (Clearly state all ectionally drilled, give subsurface locations and r	pertinent details, and give pertinent dates	s, including estimated date of starting an						
Subject well had brid	e period 5/15/00 through 5/21/00. ge plugs and sand plugs removed well and began producing on pum		wab tested to clean up sand.	Production					
8 I hereby certify that the pegoi	ng is true and gorrect								
SIGNED X	TITLE TITLE	Completion Foreman	DATE	5/22/00					
(This space for Federal or State offi	Ce use)								
APPROVED BY	TITLE		DATE						
CONDITIONS OF APPROVAL, IF	ANY:								

* See Instructions On Reverse Side

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MAY 2 3 2000



June 29, 2000

Bureau of Land Management Vernal District Office, Division of Minerals 170 South 500 East Vernal, Utah 84078

Attn:

Mr. Edwin I. Forsman

Dear Mr. Forsman:

Enclosed are duplicate copies of the Well Completion form (Form 3160-4) and a set of logs for the following wells:

South Wells Draw 14-2-9-16 Monument Butte State 15-2-9-16 Wells Draw Unit 16-32-8-16

Also enclosed is an *updated* completion form only for the State 33-32.

If you should have any questions, please contact me at (303) 893-0102.

Sincerely,

Madalyn M. Runge

Operations Secretary

Enclosures

CC:

State of Utah, Division of Oil, Gas and Mining

Attn: Mr. Mike Hebertson

P.O. Box 145801

Salt Lake City, Utah 84114-5801

Well File - Denver Well File - Roosevelt Patsy Barreau/Denver Bob Jewett/Denver

RECEIVED

JUL 0 3 **2000**

DIVISION OF OIL GAS AND MINING

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

SUBMIT IN D (See other instructions ons reverse side) FORM APPROVED OMB NO. 1004-0137

Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

•	-	101	71110		~ 10	JLICE	٠.
			ML	-	21	836	

								_							
WELL	WELL COMPLETION OR RECOMPLETION REPORT AND LO										3*	6. IF INDIA	•	OR TRIBE NAM	E
la. TYPE OF WOF												7 UNIT AG	REEMENT NA		
			OIL WELL		GAS WELL	x	DRY		Other					RAW UNI	Т
ib. TYPE OF WEI	ىل.								,			8. FARM OR	LEASE NAM	E, WELL NO.	
NEW X	WORK OVER		DEEPEN		PLUG BACK		DIFF RESVR.		Other			WELLS	S DRAW	UNIT 16-3:	2-8-16
. NAME OF OPERAT	OR			.	ND DECO	LIDA	OF CANC					9. API WELI		2 24047	
, ADDRESS AND TE	EBUONE	10		NLA	ND RESO	UK	JES INC.					10 FIELD A	43-07. ND POOL OR	3-31817	
. ADDRESS AND TE	LEPHONE N	10.	410 171	h St.	Suite 700	De	enver, CO	8	0202					NT BUTTE	•
LOCATION OF V	VELL (Rep	ort lo												OCK AND SURV	EY
At Surface		60	1' [2 9	511	EEL (SE	SE)	SECTIO	NI 1	32-8S-16E			OR AREA			
A			IFSLA	J44	I LL (OL	JL)	OLO HO	•	JZ-00-10L			.5	ec 32 -	T8S - R16E	:
At top prod. Interval	геропеа о	EIOW							2 14				. 02	,00 11,02	·
At total depth					14. PERMIT	NO.	· · · · · · · · · · · · · · · · · · ·	 	DATE ISSUED			12. COUNTY	OR PARISH HESNE	13. STATE	
5. DATE SPUDDED	16. DATE	T.D. F	REACHED	17	DATE COMPL.	Ready	to prod.)	┪	18. ELEVATIONS (1	OF, RKB, RT, GR,	ETC.)*			19. ELEV. CASI	NGHEAD
04/14/00	1		20/00			19/	-		5663' (GL		5673' K	B		
0. TOTAL DEPTH, M	D & TVD	Ţ	21. PLUG BA	CK T.D.	, MD & TVD		22. IF MULTIPI		COMPL.,	23. INTERVALS DRILLED BY		ARY TOOLS	1	CABLE TOOL	.S
5971' (Logge	rs TD)			5940) '		HOW MAN	Υ-			- 1	X.			
4. PRODUCING INTE		OF TH	L.,			Æ (M	D AND TVD)*			R		EIV	ED	25. WAS DIRECT	TIONAL.
					_	Б.	40741		E000I					SURVEY MA	DE
					Green	RIV	er 4374'	to	5838		JUL 0	3 2000		No)
6. TYPE ELECTRIC	ND OTHER	LOG	SRUN			_	. 4-4-				DIVIC	ONOF		27. WAS WELL	
- C. Y.	3 <i>L 0</i>	-46	- GR	5-1			L/SP/CD	_	04-28-0			ON OF		No)
23. CASING SIZE	/GRADE		WEIGHT	IR/FT			r (MD)	710	all strings set in v			MENTING RE		AMOUNT P	ULLED
8-5/			24			301		_	12-1/4			// 2% Ca			
				·	<u> </u>			_		and 50					
5-1/	2		15.	 5#		594	2		7-7/8"	265 sx P					
								_		and 400 s	x 50/50	POZ w/	2% gel		
29.			LIN	ER RE	CORD					30.		TUBING RE	CORD		
SIZE		TOP (MD)	ВС	OTTOM (MD)	SA	CKS CEMENT*	4	SCREEN (MD)	SIZE		EPTH SET (N		PACKER SE	
	<u> </u>							4		2-7/8	E	OT @ 58	397	TA @ 5	799
													l		
1. PERFORATION R			i, size and num	ber)	CITY	,	NUMBER	ŀ	32. DEPTH INTE	ACID, SHOT				ZE, ETC. MATERIAL USE	'n.
	TERVAI	_	101 1010D	1 /	<u>SIZE</u> GB) 2 (D)			ηł						w/ 77,000# 26	
GB Sd (4374 - 43 CB Sand				4 (2 (0)	4 0 (54	1	GB Sd: 4374-87', 5011' -					sd in 578 b	
A Sands					2		5 4	ŀ	5269' -					id in 472 bt	
CP Sand					4		64	ŀ	5822' to					d in 453 bt	
	\$ 3022		1010.				PRODU	_		7 0000	1 Hac W	1 14,000	# Z0/+0 0	14 111 100 B	no mara
33.* DATE FIRST PRODUC	TION		PRODUCTIO	N MET	HOD (Flowing, ga	lift. o							WELL STA	ATUS (Producing	or shut-in)
05/19/					2.	-1/2	" x 1-1/2"	X	16' RHAC P	ump				RODUCIN	G
DATE OF TEST		HOU	RS TESTED	CI	OKE SIZE)IL,-	-BBLS.	GASMCF.	WATE	R-BBL.	ł	GAS-OIL RATIO	
10 day a	.,a			1		TEST	PERIOD		121	383	11	-30		316	5
LOW, TUBING PRES		CASI	NG PRESSUR	E CA	ALCULATED	<u> </u>	OIL-BBL.		GAS-MCF.	- 000	WATER-		OIL GRAVIT	Y-API (CORR.)	
				١~.	-HOUR RATE	Ì			1		1				
4. DISPOSITION OF (GAS (Sold, u	sed for	r fuel, vented. e	L :c.)	>		···				1	TEST WITNE	SSED BY		
	· · · ·				old & Use	d fo	Fuel								
5. LIST OF ATTACH															
Logs In Item 66. I hereby certify the	#20		and case to 1	i_6	ation is somethin	25d -	orract as date-		ed from all armitch	le records				<u> </u>	
(an the tore	going /) Dr	ппоши	\mathcal{L} .	ан С				perations	Fnaine	er	DATE	6/28/	00
SIGNED	onn	<u> </u>	·	y	7		TITLE_						DAIE_	3,23,	
					V *(See Instr	action	s and Spaces	fo	r Additional Data	on Reverse Sid	ie)				⊃¢ >€

		TRUE VERT. DEPTH	
1ARKERS	TOP	MEAS. DEPTH	
3. GEOLOGIC MARKERS		NAME	
38.			
wing and shut-in pressures, and	DESCRIPTION, CONTENTS, ETC.		
used, time tool open, flo	BOTTOM	-	5206' 5757'
ral tested, cushion	TOP	3818'	4150' 4412' 4670' 4705' 4820' 5612' 5732' NOE 5971'
drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries): recoveries):	FORMATION	Garden Gulch Mkr	Carden Gulch 2 Point 3 Mkr X Mkr Y-Mkr Douglas Creek Mkr BiCarbonate Mkr Bicarbonate Mkr Castle Peak Basal Carbonate Total Depth (LOGGERS) Wells Draw Unit #16-32-8-16 Wells Draw Unit #16-32-8-16 DAIDOUS E 0 7 DAI



Geoffrey S. Connor Secretary of State

Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.





Secretary of State

ARTICLES OF AMENDMENT TO THE ARTICLES OF INCORPORATION OF INLAND PRODUCTION COMPANY

In the Office of the Secretary of State of Texas

SEP 02 2004

Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 - Name

The name of the corporation is Inland Production Company.

ARTICLE 2 - Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE - The name of the corporation is Newfield Production Company."

ARTICLE 3 - Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

Susan G. Riggs, Treasure

OPERATOR CHANGE WORKSHEET

ROUTING 1. GLH

2. CDW 3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has o	arwella typec ac		9/1/2004						
FROM: (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052				TO: (New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052					
Phone: 1-(435) 646-3721				Phone: 1-(435) 646-3721					
CA No.				Unit:	,	Wells Draw	(Green R	iver)	
NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
WELLS DRAW 15-32-8-16	32	080S	160E	4301331676	12276	State	WI	A	
WELLS DRAW 16-32-8-16	32	080S	160E	4301331817	12276	State	OW	P	
WELLS DRAW 9-32-8-16	32	080S	160E	4301331819	12276	State	WI	A	
WELLS DRAW 5-32-8-16	32	080S	160E	4301332218	12276	State	WI	A	
WELLS DRAW 8-32-8-16	32	080S	160E	4301332219	12276	State	OW	P	
FEDERAL 23-33-B	33	080S	160E	4301331251	12276	Federal	WI	A	
FEDERAL 33-33-B	33	080S	160E	4301331268	12276	Federal	OW	P	
FEDERAL 34-33-B	33	080S	160E	4301331269	12276	Federal	WI	A	
FEDERAL 44-33-B	33	080S	160E	4301331270	12276	Federal	OW	P	
FEDERAL 13-33-B	33	080S	160E	4301331277	12276	Federal	OW	P	
FEDERAL 13-34-B	34	080S	160E	4301331271	12276	Federal	OW	P	
FEDERAL 11-4-G	04	090S	160E	4301331250	12276	Federal	OW	P	
FEDERAL 21-4-G	04	090S	160E	4301331272	12276	Federal	WI	A	
WELLS DRAW 1-4-9-16	04	090S	160E	4301331971	12276	Federal	WI	A	
WELLS DRAW 6-4	04	090S	160E	4301331972	12276	Federal	OW	P	
WELLS DRAW 7-4	04	090S	160E	4301331973	12276	Federal	WI	A	
FEDERAL 31-5-G	05	090S	160E	4301331252	12276	Federal	OW	S	
WELLS DRAW 22-5G	05	090S	160E	4301331273		Federal	OW	P	
WELLS DRAW U 5-5-9-16	05	090S	160E	4301331759		Federal	WI	A	
WELLS DRAW 8-5-9-16	05	090S	160E	4301332132	12276	Federal	OW	P	
WELLS DRAW 10-5-9-16	05	090S	160E	4301332133	12276	Federal	OW	P	

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004

2. (R649-8-10) Sundry or legal documentation was received from the NEW operator on: 9/15/2004

3. The new company was checked on the Department of Commerce, Division of Corporations Database on: 2/23/2005

4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143

5. If **NO**, the operator was contacted contacted on:

Newfield_Wells Draw 2_FORM_4B.xls 3/7/2005 21

6b	Inspections of LA PA state/fee well sites complete on:	waived		
7.	Federal and Indian Lease Wells: The BLM and o or operator change for all wells listed on Federal or Indian I		d the merger, 1	name change, BIA
8.	Federal and Indian Units: The BLM or BIA has approved the successor of unit oper	ator for wells listed on:	n/a	_
9.	Federal and Indian Communization Agreeme The BLM or BIA has approved the operator for all wells	·	na/	_
10	. Underground Injection Control ("UIC") T Inject, for the enhanced/secondary recovery unit/project for	he Division has approved to the water disposal well(s)		nsfer of Authority to 2/23/2005
D .	ATA ENTRY: Changes entered in the Oil and Gas Database on:	2/28/2005 ···		
2.	Changes have been entered on the Monthly Operator Cha	nge Spread Sheet on:	2/28/200	<u>5.</u>
3.	Bond information entered in RBDMS on:	2/28/2005		
4.	Fee/State wells attached to bond in RBDMS on:	2/28/2005		
5.	Injection Projects to new operator in RBDMS on:	2/28/2005		
6.	Receipt of Acceptance of Drilling Procedures for APD/New	v on: wa	ived	
F] 1.	EDERAL WELL(S) BOND VERIFICATION: Federal well(s) covered by Bond Number:	UT 0056		
	DIAN WELL(S) BOND VERIFICATION: Indian well(s) covered by Bond Number:	61BSBDH2912		
	EE & STATE WELL(S) BOND VERIFICATIO (R649-3-1) The NEW operator of any fee well(s) listed cov		61BSBDH2	919
2.	The FORMER operator has requested a release of liability f The Division sent response by letter on:	rom their bond on: 10		
	EASE INTEREST OWNER NOTIFICATION: (R649-2-10) The FORMER operator of the fee wells has be of their responsibility to notify all interest owners of this characteristics.		by a letter from	the Division
	DMMENTS:			
*B	ond rider changed operator name from Inland Production Con	mpany to Newfield Produc	tion Company - I	eceived 2/23/05

IN PLACE

6a. (R649-9-2)Waste Management Plan has been received on: